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<210> 14108

<211> 68

<212> DNA

<213> Homo sapiens

<400> 14108

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68

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<211> 305

<212> DNA

<213> Homo sapiens

<400> 14109

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gtgcagtggc gtgatggtct cggctgacag cagcctcgac ctccctgggt caagccttgg  
cctcccaaag tcctgggatt acagccccac ctgcagagtc aagtcctcc tcccacctca  
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240

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305

<210> 14110

<211> 168

<212> DNA

<213> Homo sapiens

<400> 14110

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168

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<211> 222

<212> DNA

<213> Homo sapiens

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ytwagctaca aatcgtkcag ctattctcgg aagagagaag ggagagggag gaggccgggg  
cgggagtggg ggctgtcacc ctccgacccc ggcgtgagag gg

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<211> 415

<212> DNA

<213> Homo sapiens

<400> 14112

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ttgcctcctt ctctgcctgc ctgggtggcc gccatgggccc ggaagcggct catcactgat

60

120

180

tcttaccg	ttgtgaagag	gagggagggg	cccgtgggc	acagcaaggg	ggagctggca	240
cccgagctag	gggaggagcc	ccagccccsc	gacgaggagg	aagcggastg	gagctgctga	300
ggcagtttga	cctggcctgn	yagtacgggc	cctgcaccgg	gatcacacgg	ctgcagcgct	360
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<400> 14113						
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ttgcctcctt	ctctgcctgc	ctgggtggcc	gccatgggcc	ggaagcggct	catcactgat	180
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 <213> Homo sapiens

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 <212> DNA  
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gcagaatgtt	tgttttatgg	ggaggaggaa	aataaaaaag	gaagtcagag	agcatrgnrc	180
ggaracragc	aacaccacca	aagaggtttc	atctcgggtg	gatgttaaac	gattggaatg	240
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atgacaggaa	nrgtgtttaa	gcttctaaaa	tgatcatctat	caagcacctg	gtttatgcag	360
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ccaccgacc						129

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 <212> DNA  
 <213> Homo sapiens



<400> 14117

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ccgccgtgag	ggtcctggaa	raggcgttgg	gcatgggttt	gacggcagcc	ggggacgcga	180
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actgaagcat	ctgaagatga	ctatgaatat	gaagagatac	cratgacaat	tttwgcatcc	300
cagaaggtga	agaagatctg	gcaaaagcaa	ttcagatggc	cnwagaacag	gctacagata	360
ctgaaatttt	ggaacggaaa	acagttcttc	cttcaaagca	tgcagtacct	gaasyaatag	420
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<210> 14118

<211> 247

<212> DNA

<213> Homo sapiens

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aagacagacg	gacagacaga	caacctgact	gagacgggct	cagggccgat	gagaggggtga	120
cagggataga	gcaagaggga	ggaatagatg	gaggagaagg	agagaagggg	cctgggggtc	180
ccgagggagg	caagattgtg	aggggggaga	ctcaggaggg	ggttgaggcc	agaggaggtg	240
gacgggg						247

<210> 14119

<211> 313

<212> DNA

<213> Homo sapiens

<400> 14119

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gtgagtcttc	aatgggcgct	gggctctttc	acgcccttgc	tgtgggggac	ggtctcccag	180
gctcttttct	tccctcaca	aacctcta	ccattagcat	agtgtgagat	ggctccttct	240
gcctctttgc	agctagtggg	gtccctcact	tcacaggcag	aagagggggg	ggcgggcagt	300
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<210> 14120

<211> 329

<212> DNA

<213> Homo sapiens

<400> 14120

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tcccaggacc	ctcttcgagg	gcgattcgcg	tasctcagat	tgcctcggat	gatggcctgc	180
gactgacagt	ctctcagctc	ttctcagctc	tcctgaggct	gcagctgtca	gctccctgat	240
cctcagcact	tgcctggacc	agtgcgggtc	tgccacgccc	tgttcagcca	tcctgtcct	300
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<210> 14121

<211> 285

<212> DNA

<213> Homo sapiens

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 gacttgacct ggaaagaatc ttctgctgac tctcaacttt tcttgaaaaa aatggatcat 180  
 tcccaccata tggggatgag ctatatggac tccaacagta ccatgcaacc ttctcaccat 240  
 cacccaacca cttcagcctc aactcctcat ggtggaggag acagc 285

<210> 14122  
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 <212> DNA  
 <213> Homo sapiens

<400> 14122  
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 atagttatatt cttactcttc cgctgcctcc tttgctttta aagcctgttc tgccaagtct 180  
 cgctggagaa ggaaaccctt gaaactggtc ctggtggtct cagaccgccg cgcgagcgaa 240  
 gagtggggag gacaaagggt ggggagttga gaaggakgga gatgggtgca tctggaaggg 300  
 agtccgtcct gaggagtccc ccatcagctg tcagccagcc agcagcaaag caaattaaga 360  
 ctacaca 367

<210> 14123  
 <211> 227  
 <212> DNA  
 <213> Homo sapiens

<400> 14123  
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 agttccctca gcctccggcc ttgtgtgtcc gactcggcag cagtgcctcc atgtggtggt 120  
 gtagtgcgct tcccagggat cttgagagtg aagatctcga aggatttcat aggtatatatt 180  
 ttttctttgc tatgtcatcg tagtcagtgg tggcagaaaa gcgctgc 227

<210> 14124  
 <211> 198  
 <212> DNA  
 <213> Homo sapiens

<400> 14124  
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 agaagagttg gcctggctac aactctgctt caaccaaagc atcttttagtt tgagctttta 120  
 atatcttggg cctgtcctgc aggcttgttt gaacaaagac tatacataaa ataagcaaga 180  
 accatttctt tttttttt 198

<210> 14125  
 <211> 183  
 <212> DNA  
 <213> Homo sapiens

<400> 14125  
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 atggcataat tctaattttg gttatcatat gaaagttaac tataatttta ctactgtaat 120  
 aataagtyct ttttgtttgt ttttaaccac agagaagtaa aaagaagaaa gcaacagaat 180  
 agg 183

<210> 14126  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 14126  
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 tgcgttcagc cctggggcat tttattaatg cttttacgag ttagaagagt tgggataatt 120  
 tgccatctgg agtttctctg ccttgctgat ctgagctcag acctgccaat ttaccagaga 180  
 taattgataa ca 192

<210> 14127  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 14127  
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 ttccgtcatc atctgactca ggttcttagc aacatttgcc acagttgagc actgcttaag 120  
 atacactctt tacttgattt ccaccacacc acaccccacc 160

<210> 14128  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 14128  
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 ggctcctggg tttgcccatc tggtctggtt ggacaagatg tctaaggac acatgttgcc 180  
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 aggggagcag cgtttgatcc cccctgccta tcagcttctt ctgtggagcc tgttcctcac 300  
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<210> 14129  
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 <212> DNA  
 <213> Homo sapiens

<400> 14129  
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 aatgaagata tagagaaaca aggaagaaat tgaccccgrc gaagawgawa gksaagaann 120  
 agcatttnga taagaasagm maattgamsg aagatgtttg atgcssaata tgatsmagga 180  
 gaaagcacat attttgatga tcttaaagga gaaatgcaga aagaagcaca gctgaatcay 240  
 gyagaatttg aagatcaaga tgatgaagcc agagttcagt atgaggggtt tgcacctggg 300  
 atgtacgtct gcgttgagat tgaaaatgtt ccctgtgaat ttgtgtagaa ccttgacccc 360  
 cgttacccca ttatcctggg tggcttgggc aacagcgagg gaaatgttgg atacgtgcag 420  
 atgcgtctga agaaacatcg ctggtataag aaaatcctca agtcccgaga tccaatcata 480  
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<210> 14130  
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 <213> Homo sapiens

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<400> 14130  
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 gaaccttttt tgggtggggg gtgcggggca gttcactctg tctcccaggc tggagtgcag 180  
 tgggtgcaatc ttggctcact atagccttga cctctcag 218

<210> 14131  
 <211> 53  
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 <213> Homo sapiens

<400> 14131  
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<210> 14132  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 14132  
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 ttggagttcc atgccaaagc gccttggcgc cccgaggagg cagtagaaga tccggacgag 120  
 gaggatgagg ataatactag tgaagccgag aatgggttct ccttgaggga agtggttacgg 180  
 ctcgga 186

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 <212> DNA  
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 aagatcttct tgccagtgt gctggctgcc cttctgggtg tggagcgagc cagctcgctg 180  
 atgtgcttct cctgcttgaa ccagaagagc aatctgtact gcctgaagcc gaccatctgc 240  
 tccgaccagg acaactactg cgtgactgtg tctgctagt nggcattggg aatctcgtga 300  
 catttgcca cagcctgagc aagacctgt ccccggcctg ccccatcca gaaggcgtca 360  
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 ccgatggcgg gctgcgggca agcgtcacc tgcctgggtgc cggctctgctg ctgagcctgc 480  
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<210> 14134  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<400> 14134  
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 gtgtgcacag ccaggagaag gccaaagtgc tggggggtgc agtggaggat tacttcatgc 180  
 gcaatgctga cttggagcta gatgag 206

<210> 14135

<211> 175  
 <212> DNA  
 <213> Homo sapiens

<400> 14135  
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 ccaagccaat tgctctaggc cccgtggctg gctacttatg gggcactgtc ctgaccagct 120  
 ctgctaagat gtccttgccc cctccctcca ccccgctccag aggacggacc cccag 175

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 <212> DNA  
 <213> Homo sapiens

<400> 14136  
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 tgaatatctg caagatggaa ggggttttgg tggcaataat agaggaataa aatagaga 118

<210> 14137  
 <211> 122  
 <212> DNA  
 <213> Homo sapiens

<400> 14137  
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 cg 122

<210> 14138  
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 <212> DNA  
 <213> Homo sapiens

<400> 14138  
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 cgccttatca gtatctaagc ggagtgtttt ggaaggagtt aaggggctgt ggcaaacgcc 120  
 ctctccggc tcatggcccg gcatcggaat gttcgaggct ataactacga tgaagatttt 180  
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<210> 14139  
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 <212> DNA  
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<400> 14139  
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 accggggaac ccatggaagc cgagtccggc gacacaagtt ccgagggcc 110

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 <213> Homo sapiens

<400> 14140

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gcggctggag	tacctgcaga	tcccaccggt	cagccgcgcc	tacaccactg	cctgcgtcct	120
caccaccgcc						130

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 <212> DNA  
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<400> 14141						
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tctttcaatg	gctgggctac	aagatgggtg	caggctgccc	aacctgacac	agcaagaagg	120
cggccattctg	c					131

<210> 14142  
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 <212> DNA  
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<400> 14142						
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ttaagaatgg	aagaggggag	gtggaggggtg	gctgcacagt	cgaggggtgtg	aggcagtctt	180
gctctagccc	caccatgccc	tcagcccgt	gtggccacgc	tggttcctca	attgctgggg	240
cgtgcagtgt	ctgtaaggga	ggctactgat	gccatccgag	gaagatgtaa	ggtttcgtgt	300
gggcagcgag	agcctagcag	gcatgtgggg	tgcccagcaa	agggtaacag	tgacagttg	360
ttgcctcatt	ccacagagtt	ttgatttttt	tttttttttw	aatggycact	ccatcaacat	420
cccccatggc	caragcctga	gctggycccc	aragacacag	gcattcagct	gamagcctnn	480
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<210> 14143  
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<400> 14143						
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ttcaaaatag	ttgtagcctt	atcctgggtt	tacagatgtg	aaactttcaa	gagatttact	180
gactttccta	gaatagtttc	tctactggaa	acctgatgct	tttataagcc	attgtgatta	240
ggatgactgt	kacaggctta	gctttgtgtg	aaaaccagtc	acctttctcc	taggtaatga	300
gtagtgctgt	tcatattact	ttagtcttat	agcatacttg	catctttaac	atgctatcat	360
agtacattta	gaatgattgc	ccttgatttt	kttttttaaat	tctgtgtgtg	tgtgtgtaaa	420
atgccaatta	agaacactgg	tttcattcca	tgtaagcatt	aaacagtgtg	tgtaggtttc	480
aagagattgt	gatgattcct	aaatttttaac	taccttctac	taatatgctt	gaactgtcgc	540
cttaactatg	tkaagcatct	agactaaaag	ccaaaatata	attatkgctg	cctttctaaa	600
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<210> 14144  
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 <212> DNA  
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<400> 14144  
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gaatacattg tggacagcat cctcactacc cctctctact cactcacaaa gaaccatgat 180  
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<210> 14145  
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<212> DNA  
<213> Homo sapiens

<400> 14145  
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atccacagcc atggacaaga ttctgtgctc taggttgtga catcccaact ctaccacagg 120

<210> 14146  
<211> 322  
<212> DNA  
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<400> 14146  
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gctgtgaact gtgctttggc tctagcagac aggaagaaat tctggcccag ctggaagtag 180  
aaagagggga gtsagtntcc tgaggaccat ctcagaggcc ccgggatcac ccgaacagtc 240  
ctccatgtga atcaatccca tgatgcaaca tgccctccca gcccccgctc tgacgatgat 300  
ggccacgcag aatgtcccgc cc 322

<210> 14147  
<211> 266  
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tagattgtga ttttattgag atgakwcaat gtagtgtcct tagtatctnw gmccaaaaca 180  
gacactgagt atatgkwtgc ttatataact kwcatttgaa aatgaaaaac aagtgggtgc 240  
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<211> 182  
<212> DNA  
<213> Homo sapiens

<400> 14148  
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aaaaaagtaa aaacaaagaa aggcattggc aagtagctta taagaaaatt aacttgttta 120  
aagcaccatt tctgagtgtg agtaaagatt gtgtgctctg tgtggccctg ccctgccctc 180  
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<210> 14149  
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<212> DNA

<213> Homo sapiens

<400> 14149

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gcctttgctc	taaggcgacc	accctggmag	ctcttcactg	agggggcctc	ggtttccaca	180
tctgtcgctc	tccggtccca	agaccaccag	gaccgacggg	gctctccggg	agggtcagcc	240
cctccggttg	ccccagtcac	gcatcagggg	acggatcaga	agggctagga	agaggggtcg	300
tggggaaggc	cccagaaaaa	agaggaagg				329

<210> 14150

<211> 99

<212> DNA

<213> Homo sapiens

<400> 14150

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<210> 14151

<211> 191

<212> DNA

<213> Homo sapiens

<400> 14151

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gtgtawttta	atactttwtt	tttggccttt	tttgcctttt	tktttttwaa	acagatgtrg	180
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<210> 14152

<211> 436

<212> DNA

<213> Homo sapiens

<400> 14152

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tcaaggatag	tctggagcaa	ttgagatgtc	actttacatg	ggagttatcc	attgatgacg	180
atgaaatgcc	tgatttagaa	aacagagtct	tgatcagat	tgaattccta	gacaccaa	240
acagtgtggg	aatacacaac	ctactagcct	atgtgaaaca	cctgaaagcc	agaatgagga	300
agccctgaag	agcttaaaaag	aagctgaaaa	cttaatgcag	gaagaacatg	acaaccaagc	360
aaatgtgagg	agtctggtga	cctggggcaa	ctttgcctgg	atgtattacc	acatgggcag	420
actggcagaa	gccag					436

<210> 14153

<211> 186

<212> DNA

<213> Homo sapiens

<400> 14153

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tcctgtgtcg	ccttctgggc	tcccagcctg	ccgggtcgca	tgatccctcc	ggccggagct	120
ggtttttttg	ccagccaccg	cgasgccgkc	tgagttaccg	gcacccccgc	agccacctsc	180



tctccc

186

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<211> 204  
<212> DNA  
<213> Homo sapiens

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cttgccagct gggaggaggc cgtgggtgtct ctacctgttc aactcggttt gtgtctgggg 180  
atcagctggg ggctatggar gcgg 204

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<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 14155  
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ctcgtctgcc gagaccggc cagaacgtgt tacgagtcag tttttagtga aaaaacattg 120  
agcta 125

<210> 14156  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 14156  
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ttcccaaacc ctgggcaact gaggttctga tgtggagctc tggatggaaa gcgtgctgaa 120  
gtcttggtta actagcaagc ttttgtttgg aggtccaccg ccgaagcacc arggcctgtg 180  
ggaacacgag cgttgagact gggggcgtct agatgatcca aggggtaggc agagtgtgag 240  
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gaagagctcg gacctcaggc acatgcgaat gaccggaggt gtggacaacg tccagttcct 360  
gccctttctm accacggaag tmaacaacct gggctggctg agttatgggg mtttgaaggg 420  
agangggatc ctcatcgtcg tcaac 445

<210> 14157  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 14157  
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gtcttggtta actagcaagc ttttgttkgs wsgtccaccg ccgaagsacc agggcctgtg 180  
ggaacacgag cgttgagact gggggcgtct agatgatcca agggctcgna cctcaggcac 240  
atg 243

<210> 14158  
<211> 131  
<212> DNA  
<213> Homo sapiens

<400> 14158  
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 gtacaagaag g 131

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 <212> DNA  
 <213> Homo sapiens

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 gttctaaata aaaattctgg gtkccttaaa aatkattkaa atttttatct ttgaaatagt 180  
 nwtcttagat taatctcagg atatgagaaa gtcaattaag tgtgagtaaa gttagtatca 240  
 ttaaacaaat tgtctattaa atgcaagacg tggtaatata cagaatttat caggcattac 300  
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 cttgtaagggt aggggagctt attcagrcat agtag 395

<210> 14160  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

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 ggggtgggram taagcagatc acaagggagc taccacaga ggtaaagaca aggtcaggta 180  
 ggctga 186

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 ggggtcccag tgtttactcc catcaaggca gayataagcg gcaacatcac gatgaggaag 180  
 ctgagactca gagggggttga aggactcgct taaggtcaca agcaagtacg tggcaaagct 240  
 gggattcaga cccaggccta cctggctcca tcgcagaggc cttcgttcct ggacttcttg 300  
 gaatcctcgg aacctatttc cacttgcca ccaaagcaaa acttcagata cttggtgtct 360  
 gaggcagtgt cagtagntsc tggagaacat gaact 395

<210> 14162  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

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 agcagcagca gcagcancat gttcacttct cagaaagcct ccggaatcta aaaagccctc 180

agtaccagag acagaagcag atggattcgt ccttttagga gatacaacag atgagcaaag 240  
aatgacarca agargcamwa cttcggacat agmg 274

<210> 14163  
<211> 59  
<212> DNA  
<213> Homo sapiens

<400> 14163  
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<210> 14164  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 14164  
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tctccgcccc gcttttgcag ctaggggtgt gtttcagggg ggattggggc aagccaagca 120  
ggcgaggacc tgggcctgtg ccgctttgcc taccctcat cctcggcac caaggctact 180  
tgagccccag ggtgtttttt ccttgttccc gccacctct ggtccctggc 230

<210> 14165  
<211> 196  
<212> DNA  
<213> Homo sapiens

<400> 14165  
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ccagttccag gctgccactg ccttcccaca cccacccca cccagcttg cttctgtcat 180  
ttgttacctg ccggca 196

<210> 14166  
<211> 216  
<212> DNA  
<213> Homo sapiens

<400> 14166  
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cctcagccag ggagtcccag ccgctttcaa tggaggagaa gcccggccag ccacagcctc 120  
agcaccatca cagccaccac catccgcacc atcaccctca gcagcagcag cagcagccgc 180  
accaccacca ccattattat ttctacaacc acagcc 216

<210> 14167  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 14167  
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tagtgctgtc ctgccagctg ctccttctc tttgcaacct gcattctgat tctctgttt 120  
ttcataagca gtttactccc caacttcatg c 151

<210> 14168  
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 <212> DNA  
 <213> Homo sapiens

<400> 14168  
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 gtttggtcgg gatgagtgtg tgtgtgtgtg tgtgtg 96

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<400> 14169  
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 ggaagggagt aggggaaggaa gcgcgcgcgcg tttccaagat acgcaggcgg gtcgggcgag 120  
 agagcacgaa gtatctgccc cacgcaggaa cggcaatttt cccttgctcg ctctagaaa 180  
 agcc 184

<210> 14170  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<400> 14170  
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 caggcgggag aatcgcttga acctggaagg tggagggtgc agtgagccga gatggcgcca 120  
 ttgcagttca gcctgggtga caagagtga actctgtctc gaaaaaaaga aaaaaaagag 180  
 atagaggaag ccctctgaag ggtcttctca cagctgtgtt aagcactatg attgaagcat 240  
 gcttgatgga ggaggcaaag 260

<210> 14171  
 <211> 145  
 <212> DNA  
 <213> Homo sapiens

<400> 14171  
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 tctaagccac cattctcttt cacct 145

<210> 14172  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens

<400> 14172  
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 gcttcccagg cctcatggta ctagtgtgga cctcctggct gtgattaatg cagtttttta 120  
 gattaagtac t 131

<210> 14173  
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<212> DNA

<213> Homo sapiens

<400> 14173

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<210> 14174

<211> 145

<212> DNA

<213> Homo sapiens

<400> 14174

accgcagtgg ctgagctgct gacaggaggc ggcasggagt aggaggcgag gcaagacctg	60
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cagccagtct gcgaactctc gcycc	145

<210> 14175

<211> 228

<212> DNA

<213> Homo sapiens

<400> 14175

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gcgtgcggac aaccgcggcc acccgtacat catgaccgtg ggctgcgtgg cggcgacga	120
ggagtccctac gaagtgttca aggatctctt cgaccccatc atcgaggacc ggcacggcgg	180
ctacaagccc agcgtatgagc acaagaccga cctcaacccc gacaacct	228

<210> 14176

<211> 330

<212> DNA

<213> Homo sapiens

<400> 14176

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agggtgaaac aaaacgttca aagccccctc ggaagcccat ccacagggtg gtgactgtga	120
accgcacgt aatctcctag aaagcaagaa catcaggctt acattttcca cttgcctctc	180
acggctcaga gctctgcagt atatacacia tgctcagtga gatggaaaac agaacgtgga	240
gagagatgta gcttactaga gccctgtggc ttcaatcccc accaggaatg tcgtttaaga	300
ggaaggatgat ctagcacaan ttcacatttg	330

<210> 14177

<211> 266

<212> DNA

<213> Homo sapiens

<400> 14177

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ttgagtttag ttacactgg ttcaataaca cttagaattt ttgttcataa tactaagata	120
atcatcttag ggatgggttac attttgttgt gaggtgtggt ggaaaattca aaggacacca	180
tggtttgtga aaaaccatt gcagctgac tctgcacttt tcatttccat gtcattccat	240
tttcttctgc twtttcttta cccct	266

<210> 14178

<211> 110  
 <212> DNA  
 <213> Homo sapiens

<400> 14178  
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 tctgggaggg agacagcagc aactaagctg tacaaggttt tttttttttt 110

<210> 14179  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 14179  
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 ctctgaact gcacctgtct gtaaaaaaaaa cagatgcgag ac 162

<210> 14180  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<400> 14180  
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 cgttccgggc cgcgaccctg accctgcagc gtaccgggaa gcnrnamccg gscggatsgg 180  
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 cttcatgagg gacgtggagc ctgaggatcc catgttccct atggatccct ttgctattca 300  
 ccgtcagcat atgagccgta tgttgtcagg csncsttggga tatagccct tcctcagcat 360  
 cacagrtggc aacatgccas ggaccaggcc tgccagccgc cggatgcagc aggctggagc 420  
 tgtctccccc tttgggatgc tgggaatst 449

<210> 14181  
 <211> 97  
 <212> DNA  
 <213> Homo sapiens

<400> 14181  
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 cccagccca tggagttgct atggttaagc agcctga 97

<210> 14182  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 14182  
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 ccctccggcc agccggggccc ctcatgatgag agctgcamcc aggccansna ccagtngstc 180  
 agcca 185

<210> 14183

<211> 129  
 <212> DNA  
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 ygagaccgc 129

<210> 14184  
 <211> 261  
 <212> DNA  
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<400> 14184  
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 ccagggcctg ttgtctggcg tggcccagat gaaggacatg gtaacggaat tattcgaccc 180  
 tctggtacag ggggaagtgc agcaccgggt ggcggcggct ccagacgagg acttgacgg 240  
 tgagctctga gacggtgctg c 261

<210> 14185  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens

<400> 14185  
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 aactcaaata cctcaacttc ggagtactca tcccattccc tcccttaacc catccagatg 180  
 gtacctaatg gaaggaacca ggtaagggtc tgattgttcc ttcctcccat ccgtgaagat 240  
 agctgatgcc cgcg 254

<210> 14186  
 <211> 160  
 <212> DNA  
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<400> 14186  
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 agcaacgcag gggctaggga gcacaagcct acatttccaa 160

<210> 14187  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

<400> 14187  
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 gtgggaatgg cttcttggga gagctcc 87

<210> 14188  
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<212> DNA

<213> Homo sapiens

<400> 14188

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tcaaccccat agcatg	136

<210> 14189

<211> 409

<212> DNA

<213> Homo sapiens

<400> 14189

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agaacccctt cctgcgaccc tggagtccca atcgtgctgc cattttcctt ctgcccagga	120
ctctccagtc ctcagtcacc ttggacaaaag aagtgtggat cctcagattc catcttttcc	180
aactccaagg tgccatggca gagaagggtgc tggtaacagg tggggctggc tacattggca	240
gccacacggt gctggagctg ctggaggctg gctacttgcc tgtggtcac gataacttcc	300
ataatgcctt ccgtggaggg ggctccctgc ctgagagcct gcggcggngt ccaggagctg	360
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<210> 14190

<211> 138

<212> DNA

<213> Homo sapiens

<400> 14190

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tgaccctttt tacacaaaat tctttaaaaa aaaaaactta tttctaaatg tccatagtg	120
atgcattttc taaaaccc	138

<210> 14191

<211> 131

<212> DNA

<213> Homo sapiens

<400> 14191

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gactacaaaa gaaaaactga aagaaaaaaa aaatcactga tttgcaggca ccattgcaaa	120
cttgtaamcc s	131

<210> 14192

<211> 331

<212> DNA

<213> Homo sapiens

<400> 14192

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tgtaggagtg tgccatggag acgcggtggg gcaccgacgg agttctaata acggccgtga	120
ttgggtcagg atcctgctaa tctcagggaag gcccgtagag aagggcagac actggcctca	180
gatacctgac ctgggtaccct ctatgaggcc tgcggtgctg ggctccccag accgagcacc	240
cccagaagat gaggggcctg tcatggtgaa gctagaggac tctgagnwgg aggggtgaggc	300
tgcccttatgg gacccaggcc ctgaagctgc a	331



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 <212> DNA  
 <213> Homo sapiens

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 c 121

<210> 14194  
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 <212> DNA  
 <213> Homo sapiens

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 cgcgctagms cgaccgcscg agggatggcg gccaccggga ncgcggccgc agccacgggc 120  
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 <212> DNA  
 <213> Homo sapiens

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004220" 004220" 004220"

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gaggtgctgg cggacaagcg gcagattgtg gaccggaacg tacgggggtt cactatgttg 180  
gccaggctgg tctcgaactc ctgacctcgt gatccaccca ccttggcctc ccaatcttat 240  
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aaccagtga tc 192

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tgccctcaact ggtttgtgtc cagagccgga ctgattctct caatttgca tcttcagcct 180  
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<211> 192  
<212> DNA  
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acggactgct ggagatgggt gagtccgtca gtagatcctg aatgaataat ataattggta 180  
tatgaggaca tt 192

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<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

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tcagac 126

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<212> DNA  
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agcccggtc ggtggcgctg gcttataatc ccagctactc gggaggctga ggcgggaaaa 180  
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<212> DNA  
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gcgggcgtcg ctccgaccca ggacactaca gtttctctat gcgatctcca gagctcgctt 180  
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gcccgtaca	accgcttctc	cgggggggsc	agcaatcttc	ccacccaga	cgtcaccaca	180
gggaccagaa	tggaaacgac	sttcggacce	gccttttcag	ccgtcaccac	catcacaaaa	240
gctgacggga	cca					253

&lt;210&gt; 14208

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14208

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agcgggggcg	cacgtctggg	aagtcgtcgt	cgtagtcacc	gatgtccgtg	accttccaga	180
ggtactcttc	gctgaacgtc	tcaggggcct	ccaactcctg	ctcttcccc	accaactcct	240
cctccaccac	ctctctctcc	tscnctccca				270

&lt;210&gt; 14209

&lt;211&gt; 129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14209

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cccytcccc						129

&lt;210&gt; 14210

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14210

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gcgccatgag	cagctcggga	ctgaattcgg	agaaggtagc	tgctctgata	cagaaactga	180
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&lt;210&gt; 14211

&lt;211&gt; 114

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14211

tcactactag	atgcagtgt	gggaccttcc	tcttttgagg	ctgtcccatg	tacagtggac	60
ccaagctcag	gaccttcgtg	gagctgcttc	tccaacctga	gaaactcaag	accc	114

&lt;210&gt; 14212

&lt;211&gt; 325

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14212

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agggaccacc ctttgcactc agtaggcctt tgttttcctg cgtggaaagc gggtgggctt	180
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ccccagcgga ggaggagctc tcaaaaggag gaaagaagaa atacctgcc a cccacttccc	300
ggaaggaccc caaatttgaa ngaac	325

&lt;210&gt; 14213

&lt;211&gt; 148

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14213

actcttaaaa ggctcccaca gccactccta gcaccagttg ttgaccagcc tgccacttgc	60
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caaagcaggg accatgtcta cctttggc	148

&lt;210&gt; 14214

&lt;211&gt; 151

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14214

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ggactcggtg ttcgaggaga ggccggagcg gcggtcagga ccgccgcgt cctactgcgc	120
caagctctgc gagccgcagt ggttttatga a	151

&lt;210&gt; 14215

&lt;211&gt; 392

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14215

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tgtgatgatg gaaacctatg ggaatgtagt ctcatggga cttccaggat ccaagcctga	300
cataatctcc cagctggagc gaggggaaga tccctgggtc ctggacagga agngggctaa	360
gaagaagcna gggcctgtgg agtgactact ca	392

&lt;210&gt; 14216

&lt;211&gt; 309

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14216

aacttgttcg cgttttgttc tgtactggaa gctttttttt cttttggtct ttgcaatgaa	60
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gaaggctctgt agcttcaact ttgtaagcta gcgagatcac gaaccacca aaaggaaaaa	180
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309

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<211> 235

<212> DNA

<213> Homo sapiens

<400> 14217

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caccctcgag	agcccgga	tcaagtaccc	ctgctggctc	atcgaccggg	agatcatcag	180
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<210> 14218

<211> 437

<212> DNA

<213> Homo sapiens

<400> 14218

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cccagcatcc	attagctatt	cttctctgat	ctctccctct	tccctcccca	ctctgacatg	240
gccagtggtg	tgctattccc	caccacaaaa	tgtccatgtg	tntcattat	tcagcgccca	300
cttataagtg	agaacatgca	gtaaaacact	gcctttatag	gcttcccttc	cttactgtc	360
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<210> 14219

<211> 358

<212> DNA

<213> Homo sapiens

<400> 14219

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attcattatg	ttcatataat	gcaaataatt	agaagtgagg	ctgacctgtt	ttttatattt	180
tttaaagtaa	atctcagaat	cagagaaatt	atcatttcct	ttgatctaag	aagttagtga	240
ctcacttttag	taagagaaat	atttttaaag	gcacagaaaa	aagactaaga	attataataa	300
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<210> 14220

<211> 143

<212> DNA

<213> Homo sapiens

<400> 14220

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cactttctta	caagaaaaat	cac				143

<210> 14221

<211> 304

<212> DNA

<213> Homo sapiens

<400> 14221

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agaggccccg	tgaaggaggc	agtgaggagc	ttttgattgc	tgacctgtgt	cgtaccaccc	180
cagaatgtgc	actggaggct	gtgccagatg	cctggggggg	accctcattc	cccttgcttt	240
ttttggcttc	ctggctaaca	tcctgttatt	ttttcctgga	ggaaaagtga	tagatgacaa	300
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<210> 14222

<211> 294

<212> DNA

<213> Homo sapiens

<400> 14222

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agaggccccg	tgaaggaggc	agtgaggagc	ttttgattgc	tgacctgtgt	cgtaccaccc	180
cagaatgtgc	actgggggct	gtgccagatg	cctggggggg	accctcattc	cccttgcttt	240
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<210> 14223

<211> 120

<212> DNA

<213> Homo sapiens

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<210> 14224

<211> 319

<212> DNA

<213> Homo sapiens

<400> 14224

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gcgggcagcg	accgctcagg	tcgctcacct	gggcaccggc	cagctgcgag	acgtgacttg	180
gggaccgcag	ggagtggaga	gtgtgagggtg	ccaaagacta	gtaatgcccc	gtatccccct	240
aggaagccgg	gaagccaagc	tccgcggggac	cgcttcattg	cgctgactgg	tgtagagccc	300
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<211> 376

<212> DNA

<213> Homo sapiens

<400> 14225

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ggamttttgt	taaaggtcaa	agacaaattg	tacacatatg	gagaaaatta	gcaatgctgt	180
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agttaatgct ttaatttttaa aatgttttgg ttgtcttact tttccctaaa aatgacatga 300  
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 <212> DNA  
 <213> Homo sapiens

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<210> 14228  
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 <212> DNA  
 <213> Homo sapiens

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 aagtccaagg gaatgagcga gagaggcaga gacaggggaa gaggcgtgcg agagaaggaa 180  
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 <212> DNA  
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<400> 14229  
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<210> 14230  
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<213> Homo sapiens

<400> 14230

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atgagcaata	aatatgctcc	cagctaattct	tgtggggatt	ttattggcac	tcggagcaga	240
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<210> 14231

<211> 107

<212> DNA

<213> Homo sapiens

<400> 14231

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<210> 14232

<211> 136

<212> DNA

<213> Homo sapiens

<400> 14232

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gaaggagaga	gctttgcgt	gtctttctcc	tccgcctctg	atgcagaatt	tgatgctgtg	120
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<210> 14233

<211> 88

<212> DNA

<213> Homo sapiens

<400> 14233

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<210> 14234

<211> 199

<212> DNA

<213> Homo sapiens

<400> 14234

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tcacacgtgc	gcaggaagrt	catgtcatcc	ccgctctcca	aggagctgcg	gcagaagtac	180
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<210> 14235

<211> 602

<212> DNA

<213> Homo sapiens

<400> 14235

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<212> DNA

<213> Homo sapiens

<400> 14236

gttgaggctg	cggtcatgga	gggagcagga	gctggatccg	gcttccggaa	ggagctgggtg	60
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<210> 14237

<211> 106

<212> DNA

<213> Homo sapiens

<400> 14237

tttgctgggc	tgctgctctc	agcggcgggg	ctcgccagcg	cttcagtggg	cggggacgcg	60
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<210> 14238

<211> 234

<212> DNA

<213> Homo sapiens

<400> 14238

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gcctcaacat	aggacaagag	gctcaatgtc	attcattatt	ggtgaaatgc	agatgaaatc	120
acaataggat	taataaaaaat	acaaacaaac	aatgatacca	agtactgagc	aacgatgtgg	180
agcaactaga	actcccatgc	atcaggaaaac	atgcacggaa	atgtccactg	cagc	234

<210> 14239

<211> 104

<212> DNA

<213> Homo sapiens

<400> 14239

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<210> 14240

<211> 234

<212> DNA

<213> Homo sapiens

<400> 14240

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atcaaaaacc	ggaaaagagg	agaagagcaa	acaggcactt	tgaggaacaa	tcccctttaa	120
ctccaagccg	acagcgggtc	aggaattcaa	gttcagtgcc	taccgaagac	aaaggcgccc	180
cgagggagtg	gcggtgcgac	cccagggcgt	gggcccggcc	gcggasccac	actg	234

<210> 14241

<211> 222

<212> DNA

<213> Homo sapiens

<400> 14241

tattgtaatt	gggaatccag	gaagaattat	aatttgtttt	gatttttgatt	tttagaaaga	60
ggagttaaaa	ctgacacaag	agttagagat	aatgatttag	ttgggacact	ttcacactga	120
cgtatccaag	gatatattca	ggcacttgga	taaatgagt	tgaaactcat	aaaggttaga	180
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<210> 14242

<211> 184

<212> DNA

<213> Homo sapiens

<400> 14242

acttcatggc	ttctcacgct	tgtgctgcat	atcccacacc	aattagaccc	aaggatcagt	60
tggaagtttc	caggacatct	tcattttatt	tccacctca	atccacattt	ccagatgtct	120
ctgcagcaaa	gcgaaattcc	aggagaagag	gacaaagata	ctcagagaga	aaaagtaaaa	180
gacc						184

<210> 14243

<211> 112

<212> DNA

<213> Homo sapiens

<400> 14243

gatagggcgk	ttctatgtag	atgaggcagc	gcaggggctg	ctgcttcgcc	acgaaggatt	60
tcccgtgccg	tgggagcggg	ttcasgmccg	ctggtcggac	ctkagagtcc	ca	112

<210> 14244

<211> 92

<212> DNA

<213> Homo sapiens

<400> 14244

taagacgagg	ctgcgcccgg	attccgggtc	gcagggagac	cgaaggcaca	gctccccgcg	60
ccgcgcacgc	cgcccagacc	cggagtgcgg	tc			92

<210> 14245

<211> 132

<212> DNA

<213> Homo sapiens

<400> 14245

tttgtttcca	aggcagaata	gttcccttga	atattttaata	gcttctgatg	gtcttcttcc	60
agctgggtccc	acacgtggca	gcctcacgga	ggggctccct	gaggcaggac	cctcatgcct	120
gccttttccc	tg					132

<210> 14246  
 <211> 715  
 <212> DNA  
 <213> Homo sapiens

<400> 14246						
aagacacaat	ggggcacggt	aaccagactg	gtccgtaagg	gttccaggaa	ggaatgcagt	60
ttcaagagaa	cagtttgaat	ctttattcga	atttgaattt	tggtaaatg	aagagagtca	120
gctgcaactt	gacaatcgaa	atcttcagaa	aagcgacaca	aatacgttcg	cctcgaggaa	180
tattgggtct	tctgcgcggc	cgtagagctc	cgccaagtgc	gcctgcgcgg	aggagaagtg	240
gcgtcgagtc	cgcccgggca	gtagaggaat	tgcggtagtg	acctcgggc	ctcgccatga	300
agagccgctt	tagcaccatt	gacctccgcg	ccgtactcgc	ggastgaatg	ctagcttgct	360
aggaatgaga	gtaaacaatg	tttatgatgt	ggataataag	acatacctta	ttcgtcttca	420
aaaaccggac	tttaaagcta	cacttttact	tgaatctggc	atacgaattc	atacaayaga	480
atttgagtgg	cctaagaata	tgatgccgtc	tagttttgcc	atgaagtgcc	gaaaacattt	540
gaagagtcgg	agattagtca	gtgcaaaaca	gcttgggtgtg	gatagaattg	tagattttca	600
atttggaagt	gatgaagctg	cttaccattt	aatcattgag	ctctatgata	gggkaagtta	660
aatttggtgg	atatggtgaa	ggaaaatttc	ttattaatca	ttttgtaata	gtgct	715

<210> 14247  
 <211> 65  
 <212> DNA  
 <213> Homo sapiens

<400> 14247						
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agggg						65

<210> 14248  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 14248						
cttttcccc	gagcgcgcag	tggcagcggg	ggttgtwtct	gttcggggag	gattccgagg	60
gtttcagctg	ttgacgcttt	acgcgtttgcm	ggcgcacgtc	ggcccgctgt	ttcccagggg	120
aaggcaggtg	tgctctctcg	ttacagggaa	aggcacttag	aactgtctga	gtggccccgt	180
aagccagcga	gggcgcattt	cccggcgcgg	acgggctgct	ggtggttttg	gtggctgctc	240
tccggaggca	cacctggmac	gtcgaaggg				269

<210> 14249  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<400> 14249						
aggagtgaag	aggaggcggc	ggccgcagct	gcgagcaaca	gatccggacg	ccgcgagctg	60
acctgctctg	ctgttgggcg	attttttttt	aattgcagaa	aaattttattw	aattggaaaa	120
tcttgcgctt	ttcaatggcg	ctggccccgg	gtcagcgggc	gattttctct	gcatcaagat	180
gggctttgcc	gtttccgtag	tgggcaccag	tggtggcctg	attgtcagtc	ttctcccggc	240

atttttaagg ccaggagccg agcgctgctt gtaggcgaat accctacaga gcggtttggc 300  
 tttttaaatt actgttatta ttttgggc 328

<210> 14250  
 <211> 183  
 <212> DNA  
 <213> Homo sapiens

<400> 14250  
 accccatctc gattatgtcc agctagcccc tgataagtcc cttcttgggc cagaggagtg 60  
 cagccacaag gccagggtga ggcaatgtag ccaactgatct tttcttgctg tcagtgggca 120  
 gcattcttaa ggagactctc agtgagttgc atttcttttt tcttttttct tttctttttt 180  
 ttt 183

<210> 14251  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 14251  
 agcctgagat ccgtaatatg gcggggagga ggaggagaag gcggcggcgg accgagctgc 60  
 gctctgtcag taccatttga gccattcgct tcctgacaag gcccggtggc aggggagagg 120  
 agctgaaggg gccgtggggg atcagtgctt gctgtgtgct gatactgttc tgtgtaatgg 180  
 ggattcagtg aacaagactg aaaaggtacc tgtacttatg gcgcttacat tttggtggag 240  
 gaagacagac aaaaatcaag gaaataaaca cgataatttc agatagtgtg tgactgtggg 300  
 aagatggagg a 311

<210> 14252  
 <211> 104  
 <212> DNA  
 <213> Homo sapiens

<400> 14252  
 tttggaaggg gaggtggagt ccagggaagg ccgcagagct ccaggctgtg gaatgcacgt 60  
 gccactgcag aagggtttcc aggccaggag actgcccaaa tggg 104

<210> 14253  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 14253  
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 gctcccttgc agtcccttcc atgttccccg gcgccactac tcccttccct aaggccgccg 120  
 cttaccccg ggtctatgga agtaatggaa ggaccctca acctgatgga gtttactct 180  
 tgttgcccag gctggagtgc aatggcacga tctcagctca ctgcaacctc tgccc 235

<210> 14254  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

<400> 14254  
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ctgcacctcg	gaccagggct	tctgctgcat	ctgcagccat	gtcggggccgc	tcagtgccac	120
atgcccaccc	ggccaccgcc	gagtacgaat	ttgccaaccc	gagccgcctg	ggtgagcagc	180
gcttcggaga	aggcctcctg	ccagaagaga	tcttgacccc	c		221

<210> 14255  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 14255						
gaaagaaccc	ayygcctgggg	ctggccggcg	tgtgccnnng	agcctctaag	gagatgaaac	60
tgcactcaac	caggatgaga	ggctgcccgg	ccaatgcagc	tgccgccccg	tctgctgcgg	120
aggcttttgc	ttttgactcc	ctggcgacag	taaagttgaa	gagcttccgg	ccggagsana	180
tagatgggac	ccccggaagg	cggaagttct	agggcggaag	tggccgasag	gagaggagaa	240
tggcggcgga	aggctggatt	tggcgttggg	gctggggccg	gcggtgcctg	ggaaggcctg	300
ggcttctcgg	ccccggccct	ggccccacta	cacctctctt	tcttcttttg	ttgttggggg	360
ctgtgactgc	ggatataact	gacgrc				386

<210> 14256  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<400> 14256						
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graggcaycc	acacaggggc	ccangcagca	cagasgagct	gtgaaccgcg	tccacaccgg	180
ccaccctgcc	cggagcctgg	cactcacagc	agcccggtgc	taaggagtgt	ggcgcnngct	240
cgactccac	tgctgccggc	ctcccagtg	actctgtttt	ccactgctgc	aggcgagaag	300
aggcacgcgc	ggcacaggcc	ggcctccgct	tcccgggaag	acggcgact	cc	352

<210> 14257  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 14257						
aatttagcgc	ggagagtttc	ccgggtggac	gcggctcctc	tctcggccac	tccgcacccc	60
catcttcggt	gacagaaggc	gcctgggtgg	ggtggctgct	cttttcyctc	cctgttcccc	120
ctcacag						127

<210> 14258  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 14258						
gcaccgcgcc	ascgggctgc	agcggccgcg	caccaaggct	gcgatggggc	tggagacgga	60
gaaggcggac	gtacagctct	tcatggacga	cgactcctac	agccaccaca	gcggcctcga	120
gtacgscgac	ccsgrgragt	tcgsggcact	crassagga	ccgggatccc	cascggctca	180
actcgcactc	caagctgggc	ttcgaggatg	tgatcgcaga	gccggtgact	acgcactcct	240
ttgacaaagt	gtgaatctgc	agccatgc				268

<210> 14259

001399-02400

<211> 269  
<212> DNA  
<213> Homo sapiens

<400> 14259  
gttgcggaag tgatagccgc cgaccgagcc tgctgcttcc ttgctactgc ttcggcttcc 60  
cggctacccc ccggacgggtg aaggcggccc agctgtggat ggtcagatag cccttgtctc 120  
ccgccgccaa tctctggccc ctagcagcac ggagcagacg gcggcagcag cagcagcagg 180  
cgaggaggaa gatggcggga cggctgccgg cctgtgtggg ggactgtggc acgggggtata 240  
caaaactagg atatgctgga aatacagaa 269

<210> 14260  
<211> 588  
<212> DNA  
<213> Homo sapiens

<400> 14260  
aattttcaatt tgaaacctag cggaggggagg aggcaggcgc ggctgccggc ggctgggact 60  
gaagagggac ggggtcccgcg gcgagcgagc tcctgagcat aagctgtggc catgactact 120  
gaagtaggct ctgtgtctga agtgaagaag gactctagcc agttaggaac agatgcaacc 180  
aaggaaaaac ctaaagaagt agcagaaaat cagcagaatc agtcttccga tccagaggag 240  
gaaaaagggt cccagccacc tcctgcagct gaaascaaag tagtctacgc cgccagaaga 300  
gagagaagga aacatcgnmw agcaggggta tttctcggtt cataccgccca tggcttaaga 360  
agcaaaaagtc atatacctta gtagtggccm aasatggagg agataaamma agagcctacc 420  
caagctgtng ttgaagaaca ggtcttagat aaagaggaac cccttccaga agaacmgaga 480  
caggctaagg gtgatgctga aaaatggctc agaagaaaca agagattaaa gttgaagtca 540  
aggwagaaaa accctcagtg agcaargama aaaccctcag tgagcaam 588

<210> 14261  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 14261  
gtgggttcccc gcggcgctgc gssggcggta attagtgatt gtcttccagc ttcgcgaagg 60  
ctagggggcgc ggctgccggg tggctgcgcg gtgctgcccc cggaccgagg ggcagccaac 120  
ccaatgaaac caccgcgtgt tcgcgcctgg tagagatttc tcgaagacac cagtgggccc 180  
gttccgagcc ctctggaccg ccc 203

<210> 14262  
<211> 350  
<212> DNA  
<213> Homo sapiens

<400> 14262  
ggaagtggca cgtggagggg ccggtggagg cgccggtgag taaatgccgc agattctgga 60  
aagttctgat cagtgcgata cataaggctg aggaagtggg acctcccctt ttgggtcggg 120  
agttcagcgc cggcgccggt gtgcgagccg cggcagagtg aggcaggcaa cccgaggtgc 180  
ggasgacctg cggaggetga gccccgcttt ctcccagggt ttcttatcag ccagccgccg 240  
ctgtcccccg gggagtagga ggctcctgat aagaaacctt gggagaaagc ggggctcagc 300  
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<210> 14263  
<211> 383

<212> DNA

<213> Homo sapiens

<400> 14263

ggaagtggca	cgtggagggg	ccggtggagg	cgccggtgag	taaatgccgc	agattctgga	60
aagttctgat	cagtgcgata	cataaggctg	aggaagtggg	acctcccctt	ttgggtcggg	120
agttcagcgc	cggcgccggg	gtgcgagccg	cggcagagtg	aggcaggcaa	cccaggtgct	180
ggasgancct	gcggaggctg	agccccgctt	tctcccaggg	tttcttatca	gccagccgcc	240
gctgtccccg	ggggagtagg	aggctcctga	caggccgcgg	ctgtctgtgt	gtccttctga	300
gtgtcagagg	aacggccaga	ccccgcgggc	cggagcagaa	cgcgccagg	gcagaaagcg	360
gcggcaggag	aagcaggcag	agg				383

<210> 14264

<211> 354

<212> DNA

<213> Homo sapiens

<400> 14264

agtcgcgcc	ctccctctcc	gccccaccc	cctgtcggcg	tctgggcctc	gtcccccttct	60
ctctgtctcc	cttgccctcc	ccatcacgtc	ccctgacacc	gacaccccat	tgctcccaca	120
stctccccag	tctccacttt	ggtccccagc	gctgtctgcc	cgaggatttg	cctgaaggct	180
gcccccaact	ctgcaccgc	cccccgaggg	ccaccgagga	ccatgactaa	gacagatcct	240
gccccgatgg	ccccgccacc	ccgaggagag	gaggaagaag	aggaggagga	ggatgaaccc	300
gtccccgagg	ccccagccc	caccagggag	cgccggcaga	agcctgnngt	gcac	354

<210> 14265

<211> 238

<212> DNA

<213> Homo sapiens

<400> 14265

ctggagttcc	cagccaagcc	acagacctgc	ctctgaggaa	gggaatcgag	cagggagtag	60
gaggggacct	ctggggactc	gggcctggag	ctcctgectg	cctggatgaa	gaggaggtca	120
agactttgtc	ccccactccg	caagataccc	tctctgttcc	ggagcgggtga	gacgggattt	180
caccatgtta	gccaggatgg	tcttgatctc	ctgacctcat	gatctgcca	cctcggcc	238

<210> 14266

<211> 405

<212> DNA

<213> Homo sapiens

<400> 14266

aaaggcgggg	cccgtgaaa	gaaggcgatc	cgagttctgc	tacttcctag	taagggacgt	60
ctctggagag	attctgaggt	gtttgaggtc	agtggttttc	aatcttggtt	ggctacacat	120
aggaatcact	tgaggggctt	gagaaaaata	ccgacacctg	agtcccaccc	ccgagaaatt	180
ctgatgaaat	gggtccaggg	tgagacctga	gtgggtggaac	tgggaccggg	gcctaggcgt	240
ggacaagtat	aggggtattt	ctgaccttcc	tctcatttcc	acctcttctt	tctcccacgg	300
gttcctttct	ggaagcctct	tttgcttaca	caccggcagg	taagccatct	ctgccccagt	360
ggggttcaga	cccccgggg	cgggcccttc	tctcactcat	tcgcc		405

<210> 14267

<211> 417

<212> DNA

<213> Homo sapiens



<400> 14267

ttaatcccca	atgtggcagt	attgtgtggt	gggcccttta	agaggtgatt	agatcatgag	60
ggtggagccc	ttatgaatgg	attaatctct	tcatggattc	atggattaat	gggttaatgg	120
attaatgggt	tacttggrag	ggggactgat	ggctttataa	gaagagggag	agagacctta	180
gctagcaagg	gagcagctca	gcacccccctc	catatgatgg	cttgtactgc	ctgggmactc	240
tgcaggtgtc	ccccaccagc	aagaaggccc	tcaccagatg	acactcttga	ccttggactt	300
ctcagactcc	ataactgtaa	gaaataactt	ccttttcttt	acaaattacc	cagtttcagg	360
tattctgtta	taagcaacag	aaaatgggnt	aaaacactat	atatctttct	agatctt	417

<210> 14268

<211> 210

<212> DNA

<213> Homo sapiens

<400> 14268

cagctatgtt	aataacaatg	acatctacca	ggtcactcct	gtctaccgcc	tcggtcccaa	60
cgacaaggag	atcatgaagg	agctgatgga	gaatggccct	gtccaagccc	tcatggaggt	120
gcatgaggac	ttcttcttat	acaaggagg	catctacagc	cacacgccag	tgagccttgg	180
gaggccagag	agataccgcc	ggcatgggac				210

<210> 14269

<211> 301

<212> DNA

<213> Homo sapiens

<400> 14269

gggtgtgtgg	acgccgcttt	gttgccctgag	gtgggtggcg	gtggaagtta	agggagtcag	60
gggctatcgc	tcctcgagac	tcgcagtcgc	ggccactgca	gtcacttcgc	cagttagccc	120
ttagggtagg	agtcgcgccg	gcagcagcca	tgagcggcgg	cgtgtacggg	ggagatgaag	180
ttggagccct	tgTTTTtgac	attggatcct	atactgtgag	agctggttat	gctggygagg	240
actgccccaa	ggtggatttt	cctacagcta	ttggtatggt	ggtagaaaga	gatgacggaa	300
g						301

<210> 14270

<211> 113

<212> DNA

<213> Homo sapiens

<400> 14270

aagtgtggct	gagctccggg	gtgtgtggac	gccgctttgt	tgcttgagat	gaagttggag	60
cccttgTTTT	tgacattgga	tcctatactg	tgagagctgg	ttatgctggt	gag	113

<210> 14271

<211> 302

<212> DNA

<213> Homo sapiens

<400> 14271

agactacgtg	gcggcgctgg	aagggatgtc	gtctcagcag	tgctcggggc	castccagct	60
gctgctgggt	cctagaaccc	agaccaccca	tcgggggctg	gaaaggaagc	caaattggcc	120
cagcatttcc	caggaatgtt	acattttgac	aatcaattac	ccactttagg	tgtgacctcc	180
tcttctccct	cccagctccc	cgcaggaasn	taattagaat	tatccccatt	ctacaggact	240
gggaaatgag	gctgtgagag	tgaggaactg	aggaacttgc	tgggatttga	acaaaggcaa	300

ag

302

<210> 14272

<211> 127

<212> DNA

<213> Homo sapiens

<400> 14272

acgggggcaa	gggccgcctc	ccttcggccg	cgcgccactc	aagtacggca	gacaggcagc	60
gaggttgccg	aggccgaggc	tagcctgcag	cctcctttct	cccgtgccct	gggcgcgggg	120
tgtacgg						127

<210> 14273

<211> 383

<212> DNA

<213> Homo sapiens

<400> 14273

agccagnsyg	accccgccag	gccttctcgg	ttgggtgagc	actctctctg	accaggccat	60
gaaaagaaaa	ayctgtgcga	tgcttcccc	catgtcacgg	gactctgact	tgctttgtc	120
gtcagagttt	gcagaacttt	gggggacctg	agaggggagt	gccccctgga	cgggccacgg	180
ctgtctgtgg	cttaagggct	tttgggaagg	cggagagagg	gaaacggcgt	cctagtggcc	240
tgcttcaggg	ccaccacagg	gccctcccc	aacctctctc	tgatccaack	kgtttttcca	300
gcctagttag	aaactttagg	atgctgtgrs	ctcaagaaga	cttggcattt	tatttggaag	360
atagacatct	atttgcaact	gtc				383

<210> 14274

<211> 235

<212> DNA

<213> Homo sapiens

<400> 14274

aaattcctcg	gtctctggcg	ggagtgcggg	tggegcggcg	cagtcggctt	gtccgtcctt	60
ccctctctga	ctctcttacc	ccgggcctgt	ctctgcagag	gtcaggggag	gcggggggccc	120
agcacacgtc	cccagtggca	gcgggagcgg	cagctacggg	ttcgcgacc	tccgaccccc	180
caagggtctag	aggagcgctc	ggcggacca	agaaagccc	cgagcggtg	cgcr	235

<210> 14275

<211> 346

<212> DNA

<213> Homo sapiens

<400> 14275

gacattcggg	ccgcggcggc	cgctgggtgc	agccgagcgk	tgtggagcgg	agagaatact	60
camsrgggct	ctcctgatac	taacagtttt	acgatttaaa	acttcgccag	aatttcgaca	120
gggtctcact	gtattgcccc	ggttgggtctc	gaactcctgg	cttcaagcga	ttctcccacc	180
tcagcctccc	aaagtgtgtg	gattacaggc	gtgagccacc	acgcctggcc	tactcaaac	240
agtaaagcag	gtagggttgg	ggtatatatt	tggtttggga	taaaaagaaa	ctgaatctta	300
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<210> 14276

<211> 312

<212> DNA

<213> Homo sapiens

&lt;400&gt; 14276

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gataagaaag	agggaggtaa	agacagagct	ttgaaaggag	ttttgcgagt	gggagtattg	180
gcaaaaggat	tacttctccg	aggagataga	aatgtcaacc	ttgttttgct	gtgctcagag	240
aaaccttcaa	agacattatt	aagccgtatt	gcaaaaacct	acccaaacag	cttgctgtta	300
taagccctga	ga					312

&lt;210&gt; 14277

&lt;211&gt; 318

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14277

tgaccgagag	gaccrggaag	cacctgactc	agatgccgag	gtggatgggtg	tggatgaaga	60
ggaggaggac	gaagaaggag	aagatgagga	agacgaggac	gatgaggatg	gtgaagaaga	120
ggamgtttga	tgaagaagat	gatgaagatg	aagatgtaga	aggggatgag	gacgacgatg	180
aagtywgtga	ggaggaagaa	gaatttgac	ttgatgaaga	agatgaagat	gaggatgagg	240
atgaagagga	ggaagaaggt	gggaaagggtg	aaaagaggaa	gagagaaaca	gatgatgaag	300
gagaagatga	ttaagacc					318

&lt;210&gt; 14278

&lt;211&gt; 167

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14278

gagcgtgttt	acatccgccg	ggtgcgcggc	ttcgcsnccg	aggtcgttcg	gctcgggtac	60
catectccgc	gccatggaca	ccagcgacct	gttcgccagc	tcaggaagg	gggatgtggg	120
ccgagtgcgg	tacctgctgg	agcagcgaga	cgtggagggtg	aatgtac		167

&lt;210&gt; 14279

&lt;211&gt; 187

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14279

tttttttggtg	gcccgcctatg	gcggcggtgt	tgaggttggg	tccgggatgc	ggggtctttg	60
actgaagggg	taggccaagt	ggaggtatca	gggacgtcgc	gcggcacaga	agaggaccag	120
cctggacgsc	ggggacgctg	tcattgtacg	cgcgagcrrg	ggccgcgcca	aaccagagga	180
aaagcgg						187

&lt;210&gt; 14280

&lt;211&gt; 191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14280

acaatggcct	cagaggtcac	tgagggtggc	cagatgtctg	ggtggaaggg	tctcatcctg	60
ttttccagct	ccattccagg	cagcctcctc	acgatccaaa	gaacggcata	aggggccctt	120
gtttcctgag	accagtcag	agctcctata	ctctcccacc	ttgttcctct	gagctgacaa	180
atgacatcgg	a					191

<210> 14281  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 14281  
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 caggcgtgag caccgtgcct ggccgacatt tttaaaaaag ttttattttg cacggctcta 120  
 aacctccatg ttattttcca gtggtgtaga aggtaccagc taaagtgaac cactatgtaa 180  
 tattaggcca ttctaaagga aagatgttcc atgtcatcag agatggtaaa atagg 235

<210> 14282  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 14282  
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 caggaaaca 129

<210> 14283  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<400> 14283  
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 ttttaattttg tgtatgatgg gtttcagatc tggcttttgt taacattttg gggctttttt 120  
 aatcttttca atctggcgta ttgctgtttg accttttgca aggtacttaa ttgctctttt 180  
 gttatagggg atggatcatt gtcagaactt gattggaggg 220

<210> 14284  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 14284  
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 cagcgggtac cgagtggcgg ctgcagcagc gactcctctg agctgagttt gaggccgtcc 120  
 ccgactcctt cctccccctt ccctccccct ttttttttgt ttccgttccc ctttccccctc 180  
 ccttccctat ccccgacgac cggatcctga ggaggcagct gcggtggcag ctgctgagtt 240  
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<210> 14285  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 14285  
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 aaaactcaat agttctgtta cttaggctgt tagatccaag ttgatttttg tgtctacagc 180  
 taaattttgt ttacaattag gctatttttt aatataggat ttagaaacca aggggtatgtg 240

ttttaaaatt	acactttttc	ttaacctgtc	tagctgtcgg	aaaaggtaac	agaagatgga	300
actcgaaatc	ccaatgaaaa	acctacccag	caaagaagca	tagcttttag	ctctaataat	360
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<210> 14286  
 <211> 121  
 <212> DNA  
 <213> Homo sapiens

<400> 14286	
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tggaagtgg	120
gaaacacatg	121
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tgcatccgat	
tcctcttct	
gccacactca	
gcaccacctc	
g	

<210> 14287  
 <211> 95  
 <212> DNA  
 <213> Homo sapiens

<400> 14287	
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gcgccggctg	95
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tgccggcattt	
gtccccgcga	
cagcaccgct	
gccgcgctct	
ctaaggtcgc	
ccgggtccca	
ccgcc	

<210> 14288  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

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gagaagtgtc	120
agcctcacct	180
gatttttatt	240
agtaatgagg	300
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actccctctt	420
tctggagtga	472
agcatccgaa	
gaatgcttga	
agtacccctg	
ggcttctctt	
aacatttaag	
caagctgttt	
ttatagcagc	
tcttaataat	
aaagcccaaa	
tctcaagcgg	
tgcttgaagg	
ggagggaaaag	
ggggaaaagcg	
ggcaaccack	
nnkccctagc	
ttttccagaa	
gcctgttaaa	
agcaaggtct	
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aacttctctg	
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gcacagaccc	
ttcacccctc	
acctcgatgc	
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ggtgggcatg	
atccataatc	
ggtttcaagg	
taacgatggt	
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<210> 14289  
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 <212> DNA  
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<400> 14289	
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ggctcgcagg	180
caccatgact	240
cctgtgagga	300
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cctggcaggt	371
cagacctatg	
ccgtgcccyt	
catccagcca	
gacctgcggc	
gagaggaggc	
cgtccagcag	
atggcggatg	
ccctgcagta	
cctgcagaag	
gtctctggag	
acatcttcag	
cagggtgggtg	
ctgccactca	
ccccacctg	
atgagagggc	
catccctgtc	
ctgggcaatc	
ccagcaacac	
accctctggg	
agcagccccc	
ttgggggaatc	
cyggtcctgg	
ggaaccatct	
ggtttccctg	
tgtgggagng	
gctgaagtga	
gagcccaact	
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c	

<210> 14290  
 <211> 186

<212> DNA

<213> Homo sapiens

<400> 14290

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gtctgagggt	cttgtggggc	cacggcgstg	atcaccaggt	gtttggcttg	gtcggttctt	120
atttctcgcc	tggcaatggc	gacgtacacc	tgcataactt	gccgggtggc	gttccgcgac	180
gsgaca						186

<210> 14291

<211> 442

<212> DNA

<213> Homo sapiens

<400> 14291

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ggattgtttg	gttataatat	tctcttttgg	tgtttttagta	ggattttttt	tctaaacaaa	120
gtaaaatatt	tctttgtagt	aattttgtct	gattttccat	attaaatgaa	acaaatacat	180
tcatacat	ataagtaaaa	tgttccaaat	gggtgggatt	tttttgttg	ctttattacc	240
attcagctat	ccttttcagg	ttgcctgaag	ctagaaagat	cttaaattct	caatttgitt	300
gaactttaaa	aacctagaaa	attgctcatt	gccattctgt	gtttcctcta	aaaactgagt	360
tttcacaatt	ttggatttag	taaaaatgta	tgttcatcat	tggtattataa	agtaaaacaa	420
acattctgga	aagaatctgg	aa				442

<210> 14292

<211> 141

<212> DNA

<213> Homo sapiens

<400> 14292

tacagtttag	tcattgacta	acttggacaa	ctgsgtgcct	atcattgaat	agttgtgaat	60
attcaataag	gtgaagagat	gctacctgta	gtaaggggtgc	agtagatacc	agctgctgct	120
gctcacctta	ctgctgctcc	t				141

<210> 14293

<211> 116

<212> DNA

<213> Homo sapiens

<400> 14293

agcagaactg	ggaggaggag	ttggaggccg	gagggagccc	gcacccggga	cacctgaatg	60
cccccgcccc	cggtctctcc	gacgcgatgg	ggaaggtgct	atccaaaatc	ttcggg	116

<210> 14294

<211> 185

<212> DNA

<213> Homo sapiens

<400> 14294

cagggtcccca	tggttgtcca	ttgaatggag	tgaggatcaa	ggtgggaatg	actgggtggg	60
ggctgccact	agcccaggaa	catgacaacg	tgaccacacc	acacatgcct	ccaacacaca	120
cccacagtct	aaacatctct	ccttctcagt	gagcccttct	cccattccag	atcatcagca	180
caccc						185

<210> 14295  
 <211> 153  
 <212> DNA  
 <213> Homo sapiens

<400> 14295  
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 gataggcatg tatttatgca tttttgcatt tgtaaaatca acttttcaaa taatgtaaat 120  
 gtaatract agtttactta aaggctactg ggc 153

<210> 14296  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<400> 14296  
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 gggagaagggt tattttcaaa gctttgtcac caccatacga tacagagaac ccttacartg 120  
 cmaagttcag gagcagctga agatcaccaa ccttcgctg cagctgctga aacgacagtc 180  
 ttgtccctgt cagagaaatg acctgaacga agagcctcaa cattttacac actatgcaat 240  
 ctatgatttc attgtcaagg gcagctgctt ctgcaatggc cacgctgatc aatgcatacc 300  
 tgttcatggc ttcagacctg tcaaggcc 328

<210> 14297  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 14297  
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 atgtgcacac atttctctgt aatttcttcc agatggatag ggagcactaa gaggttcaag 120  
 gaataggaat tattgcttct gatgtggaaa cttctaagga ctcagtgatg tcagaaaaag 180  
 gaagattttt tgtttttaaag agaa 204

<210> 14298  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 14298  
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 ggtctgcttc tcgaaggttc aattcacaga gcacttcata tctaccaggr taatrtcaaa 180  
 atatatgttc ctaaaacatc cctgagttca ccaccttggc cagaagttgt tctgccagac 240  
 ccagttgagg agaccagaca ccattgcacmg gtcgtgaaga aggtgaatga gatgatcgtc 300  
 acggggcagt atggcaggct ctttgccgtg gtgcactttg ccagccgcca gtggaagggtg 360  
 acctctgaag acctgatct 379

<210> 14299  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<400> 14299

acacacaaga ggagagtgtt gagcngccat atctgtctgt gccgccgcag ttgcgaatgc 60  
 agcatcggcg cttagctgcc tccgcggtgc agctaagggt cgtgtcgcta ccccttggcc 120  
 cttcgtcttt gctgccttaa cccgcggt ggagccc 157

<210> 14300  
 <211> 180  
 <212> DNA  
 <213> Homo sapiens

<400> 14300  
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 ggaaaactga cataagggtg acatctttaa attttaatat gtaaggacac taaggatatt 120  
 taaatagcaa aaaatgcaag gaaaatgtat attttttaca tttcctacat attgtcaaca 180

<210> 14301  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<400> 14301  
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<210> 14302  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 14302  
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 tgttttggtt aattgctgtt ttctcattgc cagtatagat attttcagtg tttagtaaca 180  
 tggaatgtat ataatttttt tccggtctca gagaattcca ttgtatggga gtaccatact 240  
 tattgtcacc acttctcttt gggagg 266

<210> 14303  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<400> 14303  
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 tatattaaaa tattattgct aggggaagact tacattgcaa ttatattgtt ttctctctgt 180  
 tttatagctg tgccctatca agaaaaacct atatcagaca caaaaaagat gaaaaggaaa 240  
 taaagta 247

<210> 14304  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 14304  
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ctctgtatct	atatttagag	ctgtatgtcc	atatakktgc	ctgaatgtgt	gagtncttgg	120
aagtatggat	tcattgccag	gagctgggtga	tttcctaagc	agaggtcgct	aactacaaga	180
aatgttacac	tcggacaagt	cctgcgcttg	gggatcctct	gtacgcccgt	tcactgaatc	240
tttcacaaaa	gtcctgtgtc	gtcctcgctc	tggcc			275

<210> 14305  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens

<400> 14305						
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tttggcagaa	cattctcaga	tcttttcagt	caaaaatcta	agatgattta	ttttgtatca	120
ccttggttaa	agctgaatat	tgtaactac	agttaatat	aacactgtat	ttatactttc	180
tcaaactaca	cccgcc					196

<210> 14306  
 <211> 136  
 <212> DNA  
 <213> Homo sapiens

<400> 14306						
aggatatcct	gttaagtcac	ggactatttc	ttatcattat	gttatcatga	atgcaataat	60
gtttcaaatt	cattccactc	cagggtttaga	catttgtatc	acaattgcag	tggtattctt	120
tttcttttct	tttttt					136

<210> 14307  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

<400> 14307						
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aggagcctga	gtcttttttt	tttttt				87

<210> 14308  
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 <212> DNA  
 <213> Homo sapiens

<400> 14308						
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acagaggagg	gacctggtga	ataaatgaat	gtgtaaatga	atgacgaagc		110

<210> 14309  
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 <212> DNA  
 <213> Homo sapiens

<400> 14309						
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aaaataaaga	ggktttaattg	gacttacagt	tccatgtggc	tggggaagcc	tcacaataat	180
ggtggaaggc	aaggaggagc	aagtcccatc	ttagatggat	ggtag		225

<210> 14310  
<211> 448  
<212> DNA  
<213> Homo sapiens

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aatgatgaag accctgctgt tggtagagt aagagagggc cttctttgcg tgaaaaacct 180  
rtccatcaca atggttgggt ggtcagatgt gattctctat taccgtttaa tgttgacagct 240  
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acaacgttgg acaacttaac ctcaggagat gaaagatttt caaacttagt ggamatctgc 360  
aactttcaga agaagagaac aaataatgga ctaaaaggga aaaggacatg tacttcatta 420  
ttgcctcttg gcatttaata gctggctc 448

<210> 14311  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 14311  
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attacttac taattcagga tgttaaaata acrtccaagt cggacaacca ccacca 116

<210> 14312  
<211> 461  
<212> DNA  
<213> Homo sapiens

<400> 14312  
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agtaaggatt tccctttttt tgttttgttt gtyttgtytt ttttaaccaa attcttagag 180  
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gtcgatacat ccccatgccc ttgacctctt ctggcattct cctgtgctct gacaaactga 360  
gccagccttt tagatctaca tgaataaaca aactatttta ccaagaaaaa tctcagcttg 420  
cttactgctt aattaaaaac ctacaattta cacacctccc t 461

<210> 14313  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 14313  
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cctcaccgct atcctcgacg taggacctcg gacttcattt ccgccacccc 170

<210> 14314  
<211> 167  
<212> DNA  
<213> Homo sapiens

<400> 14314  
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 aaaaatgaaa cattttataa gtcttttgtt ctattgaaaa accacag 167

<210> 14315  
 <211> 635  
 <212> DNA  
 <213> Homo sapiens

<400> 14315  
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 tgctttctgc ttgctacatt tgtctccctt acttttcttg agctaaagac aggctttttc 180  
 caccggcacc atcactgcta tcatcattaa cagcgtaatt atacaagcat atttaatgct 240  
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 aaaaacctat tgcagttagt ttatcttcta gtattcatct ttgtattctg aagataagggt 480  
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<210> 14316  
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 <212> DNA  
 <213> Homo sapiens

<400> 14316  
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 aacagcggag aaggtccacc gagcctggcg aaagggtccg tgagcgggct gtcgtccgga 180  
 gccactccgg gctgcggasa cccagtggag accgcgctg gctcaggtgt gggaccccat 240  
 ccttctctgtc ttgcagagg agtcctcgcg tgaaataagc gggttttgaa aacaaaaann 300  
 nganggagtg gaagaggggg ccaggatcca ggctccatc cccacagaag tgaagctaca 360  
 gctgggaggt ctctccac cccaaccgtc accctgggtc ccgactgcc acctcctcct 420  
 cctccccctc cccccaacaa caaca 445

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 <212> DNA  
 <213> Homo sapiens

<400> 14317  
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 atttgcaggc caaagcagcc aagcctttct acccatcccc ttcatataac acagcgccag 180  
 gtctctcatg ttgtgttttt atccacattt tctctgctta tgcgacaccc gcctttcttt 240  
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 cgatgtgaac ca 312

<210> 14318  
 <211> 103

<212> DNA  
<213> Homo sapiens

<400> 14318  
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ctaagctttc taagtgattt cctttactct tactcttacc ttt 103

<210> 14319  
<211> 139  
<212> DNA  
<213> Homo sapiens

<400> 14319  
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ccagtcaagt gcctgggcat gagccatgag cccaagctcc cttcgctagg gntgctttcc 120  
accgcgacca ggaccaccg 139

<210> 14320  
<211> 440  
<212> DNA  
<213> Homo sapiens

<400> 14320  
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ggctcactgc aagtcctgcc tccaggttca cgccattatc ctgcctcagc ctcccagta 120  
gctgggacta caggtgcccg tcaccacgcc tggctaattt tttttgtatt tttagtacag 180  
acagcgtttc accgtgtttg ccaggatggt ctcgatctcc tgacctcatg atcctcttgc 240  
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tcctttatta ctgtttttta gcagtttgat tatgatgtgc tttgcatggt tttatttaga 360  
agtgcctatct tcagagatta ttgtggttct tcactcttgg cttatagttt ttattaaagt 420  
tggaaaactt gatcattagt 440

<210> 14321  
<211> 477  
<212> DNA  
<213> Homo sapiens

<400> 14321  
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aaacatggca cttgtgtttt tatgtggcaa gatctttatc cataggcaga gtatgaaatt 120  
tcccaccagg ctaagcaaat aaagaagttc attgccttat agctatgtca gatcacagaa 180  
tccttccaag tgctctatca cagtgtgcct tatgggaagt ttctgactgg aaaatctkgt 240  
catkctaaca ctgaaaagtg cacacgcagc acaaaatgta gacaagatgc ctcaaggtat 300  
tggtagcaag caagattttg cccttttagtt ttccaagaca cctttctttc attatgcact 360  
cgggacaaga aaattaatag agcgttattc cacagaaggc ctctagccag agatcttgag 420  
tgtagtcaaa gggactcatg ctttgccaac ttgtccctgt gactagtaga ttcccc 477

<210> 14322  
<211> 340  
<212> DNA  
<213> Homo sapiens

<400> 14322  
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aaggaggagct	gaggcgggcg	gatcatgaag	tcagcagatc	gagaccatcc	tggctaaaac	180
ggtgaaaccc	cgtctctact	aaaaatacaa	aaacttagct	gggcgtgggtg	gcggggcacct	240
gtggtcccag	ctacttggga	ggctggggca	ggagaatggt	gtggaccccg	gaggcagagc	300
ttgnmgtgac	ccgagatagc	gccactgcac	tccagactgg			340

<210> 14323  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<400> 14323	
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ggcgggagcc	agtgtcagca
aagcggctaa	caacagacga
120	
gaaagagaaa	ggaaaataca
agctactttt	tttttccatc
tataaagcgg	agaaatacag
180	
gagatagaac	cagattgctt
attgcgagtc	cagacctcag
atccactggc	cggggatgga
240	
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295	

<210> 14324  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

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tctcactgaa	aactgtctgc
aggccctttg	atttggatta
120	
gatgtgtgaa	gtactgtctt
ttgccaaaaa	cctcaaatta
cctgttcttt	tcaacgtagt
180	
gtgtttgtgc	ttgtttggag
atcagttcaa	aaactatctg
tactatctgt	actgcctctg
240	
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gcataaggaa	gctagctctg
actatatattt	cctaagaata
300	
waga	
304	

<210> 14325  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

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gtgctttccg	gggagggcgac
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cgccgcggtg	gaaagtgcag
gagtggrcga	ggaggaggag
gaagaggagg	tgatggcgac
120	
ggaccagggg	agggggagat
gctccgtcta	gctcagacgc
cacgcaggct	gccgtcaccc
180	
ttccgggtga	cataccggcc
ttggggactt	gacacagcaa
gcaaaagaca	tacagaacat
240	
aacagtccag	gaaaccaaca
aaaataactc	tgaaagcatt
gaatgcagca	aaataacaat
300	
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ccaggaaata	tattttctatc
actgtgccat	ccaa
354	

<210> 14326  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

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gtgctttccg	gggagggcgac
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cgccgcggtg	gaaagtgcag
gagtgggcga	ggaggaggag
gaagaggagg	acttgacaca
120	
gcaagcaaaa	gacatacaga
acataacagt	ccaggaaacc
aacaaaaata	actctgaaag
180	
cattgaatgc	agcaaaaata
caatggatct	caagttcaac
aattccagga	aatatatttc
240	

tatcactgtg ccatccaa

258

<210> 14327

<211> 190

<212> DNA

<213> Homo sapiens

<400> 14327

acactcacia	asagccgagg	ggagagaggg	tgcgcagacg	gccagccggg	ccgcgccagg	60
gacatactgg	agacaggaag	tggttgagag	ggggagagag	ttggagagag	acggccgcgg	120
aggacacggg	gacgggaaag	tctgagmsac	ggggagagcc	tgacccggcg	ggacacaggc	180
aaaaagaaac						190

<210> 14328

<211> 240

<212> DNA

<213> Homo sapiens

<400> 14328

acactcacia	asagccgagg	ggagagaggg	tgcgcagacg	gccagccggg	ccgcgccagg	60
gacatacygg	agacaggaag	tggttgagag	ggggagagag	tnggagagag	acggccgcgg	120
aggacacggg	gacgggaaag	tctgagagag	tcggagagag	acggccgcgg	aggacacggg	180
gacgggaaag	tctgagmsac	ggggagagcc	tgacccggcg	ggacacaggc	aaaaagaaac	240

<210> 14329

<211> 191

<212> DNA

<213> Homo sapiens

<400> 14329

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ggaagtgggc	gctcagagct	cgggggcggc	gctcagaaaa	catctggaga	aaatgaccca	120
ttggtttcat	aggaacccat	taaaagccac	agtcctgtg	tcttttaatt	actatggtgt	180
agtactggc	c					191

<210> 14330

<211> 178

<212> DNA

<213> Homo sapiens

<400> 14330

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ctccagcaga	tcccctttct	gcagatcttt	ctataattgt	gcttgttggt	ttcctctg	178

<210> 14331

<211> 485

<212> DNA

<213> Homo sapiens

<400> 14331

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aattgatgag	gccaaaccaac	gtgcaacaaa	gatrcctggga	agtggttaag	tgtgccacc	120
cgtgttctcc	tccaaatgct	gtcgggcaag	atagctcctt	catgcttttc	tcatggtatt	180

atctagtagg	tctgcacaca	taacacacat	cagtcacccc	ccattgtgaa	tgttgtcctg	240
tgtcatctgt	cagcttccca	acaatacttt	gtgtcttttg	ttctctcttg	gtctctttct	300
ttccaaaggt	tgtacatagt	ggtcatttgg	tggtcttaac	tccttgaggt	cttgagtttc	360
atctttcatt	ttctctcttc	ggtggcattt	gckgaataac	aacaatttag	gaatgctcaa	420
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gtact						485

<210> 14332  
 <211> 495  
 <212> DNA  
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<400> 14332						
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tcagctacag	ggtgaccaac	gcaagaacat	atgccagttc	ctcgtagaga	ttggactggc	180
taaggacgat	cagctgaagg	ttcatggggt	ttaagtgcct	gtggctcact	gaagcttaag	240
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ctcacagctt	gtataatgta	accatttggg	gtccgctttt	aacttggact	agtgttaactc	360
cttcatgcaa	taaactgaaa	agagccatgc	tgtctagtct	tgaagtcctt	catttaaaca	420
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tcagccaagc	ccaga					495

<210> 14333  
 <211> 132  
 <212> DNA  
 <213> Homo sapiens

<400> 14333						
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aggaagcctc	cgggagacca	gagctgggtg	cagacatata	cacacacata	cacacaraca	120
cacagagtca	ca					132

<210> 14334  
 <211> 157  
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<400> 14334						
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ataaaatgta	aaaagtggat	atcttcaatt	tgtagctttc	ttttttgaaa	cttactgaaa	120
tttgtttctaa	atatatctcc	ttctttctca	cccaccc			157

<210> 14335  
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 <212> DNA  
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<400> 14335						
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aaaaaaggaa	agccaaatgg					140

<210> 14336

<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 14336  
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tttctgcac tctgcttaca ttacacatgt atttttgcat attgtctact tttttcctta 180  
gag 183

<210> 14337  
<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 14337  
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cttctggagg atccgattca atgtggttgt acggtctcgg gcaggt 106

<210> 14338  
<211> 138  
<212> DNA  
<213> Homo sapiens

<400> 14338  
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tgcaggaaaa agccaaggac tacatgaaaa caacatacct gacaatgaaa ccgggaggaa 120  
agaagacaag agagaacg 138

<210> 14339  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 14339  
aattaaaaaa aaatTTTTTT ttggTTTggg cgtgatgact tacacctgta atcctagatt 60  
agaaatggcc acaagttcta tgccactctt tccttgacaga ggtgagtctg tgcccttttc 120  
cctgaatctg ggtggacctc cccttcagct gctcccttct tgtgttcgcc 170

<210> 14340  
<211> 420  
<212> DNA  
<213> Homo sapiens

<400> 14340  
agacactaga gtaacctatg tgcacagcct ctccatatac catgtgctgt tgcgcctgct 60  
agtaatcgac gacattaggc aagagaaaaca gcggctcctc aagtcctgcc caaagaccgt 120  
ccagaaaccc cagcctcccg tcgccttctc gccgcctccg ctgggagccg cagatcagtc 180  
caagttgacg gacaggaggc gaaatgtgca aatgtttatg gtttcatctg tatggaaaag 240  
gagctctggt aactttggcc aagacttttc agtaggaaat gcttcaaaat acaaagcaag 300  
agctattttc maagaaracc ttctaaattt akattaggtt gacatgatga aagaagcatt 360  
agaaaaactt cagctcaata tagtagagat gaaagatgaa aatgcaactt tagatggcgg 420

<210> 14341



<211> 202  
<212> DNA  
<213> Homo sapiens

<400> 14341  
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gcaagaacta caaggcagtt tgcctggaat tgaagccaga gccgaccaa acatttgatt 180  
acaaagcagt taaacaagaa gg 202

<210> 14342  
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<212> DNA  
<213> Homo sapiens

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ctcgggaaggc gatcgagac tgacatcgcc ccatccagga gttggaggga tccatttgaa 180  
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tgcaccaca cccagccaag gaaagcacgc gcgagaaatc cccgaggctc ggccagcccc 360  
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gcgaag 426

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<212> DNA  
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gagaaccgca agtccagggc 140

<210> 14344  
<211> 253  
<212> DNA  
<213> Homo sapiens

<400> 14344  
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<210> 14345  
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<212> DNA  
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<400> 14345  
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cggacccgag agcagagctg ctgtttcggc gcgggtcggc tggcggccga ctgccccaga 120  
gccccacc ggaccacac agacctca 148

<210> 14346  
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<212> DNA  
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nkccccattt gcccttcac tccacccac cctaaaccat gcgc 164

<210> 14347  
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<212> DNA  
<213> Homo sapiens

<400> 14347  
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<210> 14348  
<211> 463  
<212> DNA  
<213> Homo sapiens

<400> 14348  
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caggaaaagtc aagagcacca taaccttaga tgggggtgtc ctggtacatg tgcagaaatg 360  
ggatggaaaa tcaaccacca taaagagaaa acgagaggat gataaactgg tgggtggaatg 420  
cgtcatgaaa ggcgtcactt ccacgagagt ttatgagaga gca 463

<210> 14349  
<211> 362  
<212> DNA  
<213> Homo sapiens

<400> 14349  
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agagaaaactg tgctccttca gtgttgctgc cataaagggg tttggggaat cgattgtaaa 300  
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ag 362

<210> 14350  
<211> 324  
<212> DNA

<213> Homo sapiens

<400> 14350

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tgctgagatt	acaggtgtgt	gccaccatgc	ccgactgggt	taaccacttt	ggaaagcagc	180
cactgagccc	ggccttcacc	agtataccaa	tatttggtta	tatcgtttta	ttttttacaa	240
tttttccatt	tttagaaact	tattctttta	cctgtattat	tgttttataat	aaacaacgaa	300
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<210> 14351

<211> 260

<212> DNA

<213> Homo sapiens

<400> 14351

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atmmatcgwg	sttctggraa	aacaacanna	aattgagata	tctgttcacc	actttgtgtg	180
tccaaggacc	acctactttt	tacatgtgac	aagaactacs	sacctccamt	cttcaggata	240
gaacatgctg	aagaraagag					260

<210> 14352

<211> 525

<212> DNA

<213> Homo sapiens

<400> 14352

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gacaatcatt	gaatacaaaa	caaataagcc	atcacgcctg	cccttccttg	atattgcacc	120
tttgacatc	ggtggtgctg	accaggaatt	ctttgtggac	attggcccag	tctgtttcaa	180
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tttcttcttc	ttctttttta	actgaaagct	gaatccttcc	atttcttctg	cacatctact	300
tgcttaaat	gtgggcaaaa	gagaaaaaga	aggattgatc	agagcattgt	gcaatacagt	360
ttcattaaact	ccttcccccg	ctcccccaaa	antttgaatt	tttttttcaa	caactcttaca	420
cctgttatgg	aaaatgtcaa	cctttgttaag	aaaacaaaaa	taaaaattga	aaaataaaaa	480
ccataaacat	ttgcaccact	tgtggctttt	gaatatcttc	cacag		525

<210> 14353

<211> 359

<212> DNA

<213> Homo sapiens

<400> 14353

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ttattatttc	tttgtgttgg	gaacaatcca	aatctctcct	agatgttttg	aaatgtgcaa	180
tgtattgtta	gctgtagtca	cctactgtg	ctattgaata	ctagagcttg	ttccttctgt	240
ctaactgtat	gattatactc	attaaccaac	ttctcttcat	ctgtcccca	cctccacca	300
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<210> 14354

<211> 85

<212> DNA

<213> Homo sapiens

<400> 14354

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aataccatta	gctgttgata	gcggg				85

<210> 14355

<211> 346

<212> DNA

<213> Homo sapiens

<400> 14355

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tgcacagggc	aagggatgtg	gggaaggggt	agcttccatg	ccctctccca	aacacccacc	120
ctccaggagt	ctttacctgt	ttagctat	ggatgtgcc	caaaccat	tgtttgattt	180
gttttgttgt	tggtgaagaa	gtctcactct	gttgcccaag	ctggactgca	gtggggcaat	240
ctcggtcat	tgcaacctcc	accttccggg	ttcaagcagt	tctcctgcct	cagcctccca	300
ggtagctggg	actacaggta	cgcaccacca	tgcttggtta	attttt		346

<210> 14356

<211> 313

<212> DNA

<213> Homo sapiens

<400> 14356

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acttttcaag	atttccttat	ttttaaggct	gaatgctatc	ccagtgattg	tacgtgccct	120
gtttgctgaa	tctactcatc	cttaagggta	catttgcttc	caggtaacat	gtgtgagtaa	180
tactacaatg	tgcatatata	tattccatgt	tctgctttgt	ctgtttggga	tatttttcat	240
acactgattc	agtaccatgt	gtattccctt	gcttttgttg	tctcatccgt	gatgctacgt	300
cccccaaatt	att					313

<210> 14357

<211> 179

<212> DNA

<213> Homo sapiens

<400> 14357

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ctaatac	taagagggc	tctgtcctca	tgaccaatc	tcttgctaaa	ggctcttaat	120
actattccac	tgccgattaa	gtgtcaacat	atgaattttg	gggggacaga	aacattcag	179

<210> 14358

<211> 190

<212> DNA

<213> Homo sapiens

<400> 14358

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cctttttcta	atacttgctt	atatcatgtg	ctgccgacgg	gaaggcgtca	tccaactggt	120
ccatcamagt	gctatwmaga	aatctaccaa	ggagcttcga	gacatgtcca	agaatagaga	180
ratagsatgg						190

<210> 14359

<211> 435  
 <212> DNA  
 <213> Homo sapiens

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 tgggggcccgg ggggtggctat tgtgggaagt catagccac agatagatca acctaagaat 180  
 cctggccctt ctccactctc caccatgcag gacaaacatc ttctcaagca gtcaacgtag 240  
 aatgcttggg aaatagtcac aattaccac atatatgaat taatagatgg taattaattg 300  
 atccttgatg tgatgtcttt tgcataattc cttcattcta aagttgttcc ctggccggga 360  
 gcggttggtt tcgcctgtaa tcccaacact ttgggaggcc aggacagatc agntgaggtc 420  
 aggagttcga gacca 435

<210> 14360  
 <211> 141  
 <212> DNA  
 <213> Homo sapiens

<400> 14360  
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 aggggctatg ctctgcaatt c 141

<210> 14361  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 14361  
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 tccttaatta cttacaatgt agtaaggcta cattgaagga agatataaat ttcagtcaag 180  
 actacgactg ascaaaggaa aaaaagggaag aatgttcaag gtgtctgtgc aagagaacag 240  
 ttagaccagg ctggctagag cagtgtttat agggacgtaa caggagatat gtgtggcaga 300  
 tttagggtag attcagagt ccagtratat gccaaagcaa ggcacgttgc cccttatata 360  
 ttgggaaaac kgttgargtt tttaacattg ggargtcgat cgc 403

<210> 14362  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<400> 14362  
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 cagaagaggc tgaagtcttg caggactcac tggatagatg ttattcgact acttcaactt 120  
 actttcaamt amcawkccty cattccagca gtacagaagt gccttttact catttgagga 180  
 acaggacgtc agcttggccc ttgacgtgga caatagggtt tttactttga crgtgayaag 240  
 kwcacactg gtgttccaga tgggagtcac attcccacaa taagcagctc ttactaagcc 300  
 gagagatgac attcctgcag 320

<210> 14363  
 <211> 103  
 <212> DNA

<213> Homo sapiens

<400> 14363

aatagtgata tttctcattt gaaggatata ttatttttaa actgtagaaa ttattggtat 60  
atgtgamatg gaaataatgc ttgaattty gtcagtcatt aat 103

<210> 14364

<211> 265

<212> DNA

<213> Homo sapiens

<400> 14364

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atttcttttt tgttttcttt tttctttttt gagacggagt cttgctccat caccagggct 180  
ggagagcagt ggtgtgatct cggctcgctg caacctctgc ctcccgggtc aagctattct 240  
cttgccctag cctcctgact agctg 265

<210> 14365

<211> 394

<212> DNA

<213> Homo sapiens

<400> 14365

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aaacactgac tttaatacgg ttttactaag tttcaacctt ctaattaggt aggcctctag 120  
gtattctgca gatcactgct ggtcttgata gccattaata tatgtttgta ttatgttatt 180  
tttcaactaa atcgcagttg gaaaaaaaca tatttaatat tatgcccttg gatctgttac 240  
tgcataccta gcacttgtga tgcaatagaa cacttcgcct gtactgaaag ggccaagagt 300  
aaatgccttg ttttggtttt ttgtnttggt ttgttttgct ttttggttaa acatgtctat 360  
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<210> 14366

<211> 301

<212> DNA

<213> Homo sapiens

<400> 14366

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aacaatataga aattaatgac actttggtag cactaatatg gagattatcc tttcattgag 180  
ccttttatcc tctgtttctcc tttgaagaac cctcactgc aacctccgtc tcttggttcc 240  
aagtgattct cctgcctcag cctcccgagt agctgggatt acagatgcc gccaccatgc 300  
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<210> 14367

<211> 256

<212> DNA

<213> Homo sapiens

<400> 14367

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gggaacttta aaatttcawy cycmaaaaaaw taatttttaa aaagcctgag gtatgatata 180

gcataaaaga ttgagatgaa aatatatttc cctgtaagct gaattactca tttaaaaaatt 240  
ttaacttcta tatggg 256

<210> 14368  
<211> 218  
<212> DNA  
<213> Homo sapiens

<400> 14368  
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cttcacttag ctctttggct tgtgaatatt atgtacatca aaatttaatt tttcatttga 180  
tctattttac tagactcctg ccccatctag tctacctg 218

<210> 14369  
<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 14369  
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tgagcacact agccgtctga gacggcagct gagttgcact gtgcgacgcg acagagacta 180  
catttccca 189

<210> 14370  
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<212> DNA  
<213> Homo sapiens

<400> 14370  
tcgttaatga ttccacttga ttttcagaat attgtcctgg ttgattttga tttgacagca 60  
tacattatga aatttgaaag taggttacca ttttgaggca 100

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<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 14371  
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cagactgatt ttctggatcc aagttttctca acttaccaaa tgtgggcaaa tcattatatt 120  
gctcccagcc ttaaaaaatct tcaataagtt aaagagagga ctcaggctta atggcaatcc 180  
tgttatctta ccaatgagga gactaaacac ctagtgtgag atcacctcct tactggctca 240  
gagcttcagg aaatagctca aggatgtgca aataactaac agtagagctg ggatttagat 300  
ccacatctac ttaatttttag tgcgtatgct ctaactgctg c 341

<210> 14372  
<211> 219  
<212> DNA  
<213> Homo sapiens

<400> 14372  
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ttagaaactt aatccccaat gcaacagtgt ttagaaatgg gactttttaga aggtgattaa	120
gtcatgaggc ctctgccctc atgaatgaat gaattaatta atgctgtggg agtgggtttc	180
tttctctttt ttcagaggca gggctctgct ctgttgccc	219

<210> 14373  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

<400> 14373	
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aatagccatt cttttttttt tttttt	87

<210> 14374  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<400> 14374	
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agataagagt gcagtgggtgc agtcatggct cactgcagcg tctgcctcct ggactcaaar	120
aatcctccta cctcagcctc ccaagtagct aggaccacag agttgtgctc tcctgcagcg	180
ttttgcggaac ggctggctat cttaccaga atcaatcaca ctgggacact	230

<210> 14375  
 <211> 89  
 <212> DNA  
 <213> Homo sapiens

<400> 14375	
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tcacggtccc gccggcgcca ccaccgcgg	89

<210> 14376  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 14376	
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aggctaaata gaatcaaggc cagaggactt cttttccatt ccmtgcagga tagagagttg	120
attggataaa gtgttgagat agatccagca ggaaggaatg gggctgttgt agattttggg	180
gcaggagtga gaaggtggaa atactgtttg aggaagagtgc gcctagacct ggggagggca	240
ccagaggggag aaggtgtgct ccgtgtagcc tcggcaaggg aagatggga	289

<210> 14377  
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 <213> Homo sapiens

<400> 14377	
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gctcaaatcc cctctgggt cttgttcttt ggtgtggcag ccattctctc tcccaggggt	120
cctgaggggt tcagcaccag ttctctgcag ccacacaatc agcccggctc gggagcaaac	180



tcccctggaa gaacggagtt atgagttggt cagcagagga ggctggggac aggcagtttt 240  
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 tctgccgcac ac 312

<210> 14378  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

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 aaaaggaaaa taggaagaaa catgaatcta tctatagaaa agtaggctgg gtgtggttagc 120  
 tcatgcctgt aatcccagca ctttaggagg ccaagggtggg aggattgctt gaccccagga 180  
 gttcaagacc agcctgggca acatagggar aactggtctt taaaagagaa agtaaaaagg 240

<210> 14379  
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 <212> DNA  
 <213> Homo sapiens

<400> 14379  
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 atatgtgatt tcttttcttt tcttttcttt tttttttttt tttttttt 167

<210> 14380  
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 <212> DNA  
 <213> Homo sapiens

<400> 14380  
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 atgagcaaac gagacgcccc ttccgtttta tgataactaa gctg 164

<210> 14381  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 14381  
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 ttaccaggcc gcggctaccc cgccgtccsc cccgactccc gcc 103

<210> 14382  
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 <212> DNA  
 <213> Homo sapiens

<400> 14382  
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 gggattcttt aaaccggcgc ta 82

<210> 14383

<211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 14383  
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 aatactttta atgcccg 138

<210> 14384  
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 <212> DNA  
 <213> Homo sapiens

<400> 14384  
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 tcagcgagcg tcttttcccc gcacgccttg cgctccctaa catgccaac cccagcagca 180  
 cctcctctcc ctacccctc cctgaggnaa ttaggaacct gttggcagat gttgaaacat 240  
 ttgtagcaga tatactgaaa ggagaaaatt tatccaagaa agc 283

<210> 14385  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 14385  
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 acctgacaac atagtgtttg ctaaggcagt aatttagact ttaccttatt tgtgattact 180  
 gtagtgattg attgattgat tactattaac tacaaggat aatttactat caccttattt 240  
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 ctatgaa 307

<210> 14386  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

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 aaaccagccc atgacagggt tttgtacatg ttaaagaact tcgttggttca gttttcatga 300  
 ttattgtgta aggaagactg atgtagatgt tctgtgctgt cctggaccat gtttaattaca 360  
 cttacgacgt atttkagttc cac 383

<210> 14387  
 <211> 215  
 <212> DNA  
 <213> Homo sapiens

<400> 14387

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cccgcgaatc	gcagcttctg	agaccagggt	tgctccgtcc	gtgctccgcc	tcgccatgac	120
ttcctacagc	tatcgccagt	cgtcggccac	gtcgtccttc	ggaggcctgg	gcggcggtc	180
cgtgcgtttt	gggcggggg	tcgcttttcg	cgcac			215

<210> 14388  
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 <212> DNA  
 <213> Homo sapiens

<400> 14388						
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tcgaatcgct	gccgcgtggg	gggttcgcgt	gctgcctctg	ccacgttact	acagccaacc	120
gaccc						125

<210> 14389  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

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ttcaagcaat	ccagaatctt	ccaagaatth	attaaagctt	taaaacaaag	caaaacaaaa	120
aggccctttt	gtgccttata	tggaagact	ccaaaaacag	aaaaaaatag	aggaaaacac	180
cacttcaatt	tgacattcaa	tgcatccaca	tcagaaacta	agaagataac	aagcctgaga	240
tgtaggtga	taaaaattca	tgtttcttcc	aaggacagaa	ggctattaga	ttgtcccagg	300
ccatatctat	tcccagttct	ttgtgagtag	tcttcttact	ttttctgtgg	taggtaagaa	360
gcataatttc	acaaaaagaa	agcatgcatt	gtttgactag	ccagc		405

<210> 14390  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<400> 14390						
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actccctgca	agcaagttga	tggtgttaat	ttaatcatgc	tacctgaaca	aggtatattg	180
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ctgtagaaaa	agaaaaagtg	tagtgatagt	aaagagttca	gtggtaacaa	ggggcttgga	300
agacagaaa	gtgtaaacgg	tgaagtacca	aagatttctt	ttgggcagtg	aaattcctct	360
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caaagagt						428

<210> 14391  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 14391						
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agggatttac	cactttttct	ccctttggta	tctttttttt	ttttttt		107

<210> 14392

<211> 247  
<212> DNA  
<213> Homo sapiens

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ctgggaagag gtgggaggag gggcagaagt gaaggaagaa taggaaggat attacctctt 180  
ctgttatttt ttttaagaaac attgttttgt ggcagcaatc tccctgtccc tatcactggt 240  
agaggcc 247

<210> 14393  
<211> 219  
<212> DNA  
<213> Homo sapiens

<400> 14393  
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ggctccggcg cgagcgcgag gctgcagccc ccgagtttcc cgccctctt cgtccctctt 120  
ccccctctt tcttcttctc tgctctctc gctctctcgc gtgtctctc ccgcgtctc 180  
cggtcttgaa tctcgacctt aatttatttc cccctaccc 219

<210> 14394  
<211> 209  
<212> DNA  
<213> Homo sapiens

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ggctccggcg cgagcgcgag gctgcagccc ccgagtttcc cgrcctctt accatcatca 120  
ccaccatcac caccaccatc accatcacca ccaccaccac catcaccacc atcatcatca 180  
tcatcatgat catatcatga ccaacacca 209

<210> 14395  
<211> 260  
<212> DNA  
<213> Homo sapiens

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gttggtgtta acgctgcagt ttaagtgttc ggattccaag ggaaacagac aaacctcacg 180  
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cgagaagaat aaagggaag 260

<210> 14396  
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<212> DNA  
<213> Homo sapiens

<400> 14396  
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ttcatgtcct cacatttcaa aagacaatct tacccttcca acagtc 166

<210> 14397  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 14397  
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 tctcttcctt tctgatttct aaagtaagcc tcagaatttc caaaccaatt catccacagc 180  
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 <212> DNA  
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<400> 14398  
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 aagactgaat cactgcattt taccytaa nggrggtacg cttacrctaa tctttttgaa 180  
 acagtactta aattgtagca ggacaagccg cagacaaaac ccctcagcca gcgagtttaa 240  
 gaaagaaggg ctttattcgg ccgggatctt cggcaagact cacgtctcca acaaccaagc 300  
 tccccaacaa tggactcttg tggctgactt cactcaccat gctcacactg cctccttgtc 360  
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 atttgggaaa acaattgctt ttgaggctca gtgacaacgg camagattac aacttamaaa 240  
 aaaaaataa ataaaaata aaggaaktg cactggttatt ttgcaacaca agggggc 297

<210> 14400  
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 <212> DNA  
 <213> Homo sapiens

<400> 14400  
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 gccctcaggg gccaccgag ttcgctttgc gtctcctccc caccacggag cctgggcacc 180  
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 <211> 241  
 <212> DNA  
 <213> Homo sapiens

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cgctcttggt gcccaggctg gagtgtaatg gctcattgca acctccgctt cccagcttca 180  
agtgagtctc ctgcatcggc cttccgagtg gttgggatta caggcatgcg ccactatgcc 240  
c 241

<210> 14402  
<211> 279  
<212> DNA  
<213> Homo sapiens

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gaagtcatga kcttgaaagg aagtatgctg tctctatca 279

<210> 14403  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 14403  
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gaaatatctt aaatgaaaaw tggrgaaatg tgaaattaaa ataattcaaa cttaaagctg 180  
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atgtacaact gcaacttct 259

<210> 14404  
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<212> DNA  
<213> Homo sapiens

<400> 14404  
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ggtaaaagga aactagaacc ttgagactgt ggaaccgcca taccagccct gcaattttgt 180  
gcccagaatt gagaattttc tgttgggtat tgctgctcat ctagaaaaca ccagctacca 240  
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ccttttctgc caccgccctc cccacacccc 330

<210> 14405  
<211> 216  
<212> DNA  
<213> Homo sapiens

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ttagcaatgt ctgaggctgc ctgttgctcc actcgg 216

<210> 14406  
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<212> DNA  
<213> Homo sapiens

<400> 14406  
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<210> 14407  
<211> 77  
<212> DNA  
<213> Homo sapiens

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gattgtccag aaggcgg 77

<210> 14408  
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<212> DNA  
<213> Homo sapiens

<400> 14408  
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<210> 14409  
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<212> DNA  
<213> Homo sapiens

<400> 14409  
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gtgcggtggc tcatgcctgt aatcctagcr ctttgggaga atgaggcggg aggatcacga 180  
ggtcaggaga tcgagaccat cctggctaac agagtgaaag cccatctcta ctaaaaatac 240  
aaaacattag ctgggcatgc tggcaggagc tgtagtccca gctacttggg aggctgaggc 300  
aggagaatgg tgtgaacctg ggagg 325

<210> 14410  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 14410  
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<210> 14411  
<211> 120

<212> DNA

<213> Homo sapiens

<400> 14411

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 tttgagccac tgaattttca gaataacttt agatgtaaag ctttctttcc tttttttttt 120

<210> 14412

<211> 168

<212> DNA

<213> Homo sapiens

<400> 14412

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 gggaggcaca tccccacat tctccttct cccaggctgt cctgagaatc tatcatgttt 120  
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<210> 14413

<211> 139

<212> DNA

<213> Homo sapiens

<400> 14413

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<210> 14414

<211> 115

<212> DNA

<213> Homo sapiens

<400> 14414

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<210> 14415

<211> 63

<212> DNA

<213> Homo sapiens

<400> 14415

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<210> 14416

<211> 288

<212> DNA

<213> Homo sapiens

<400> 14416

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 ttaaaattat tagcacacaa ctattttcag ccctttaata atggagcatc aaaaacatca 180



cctgtaaccc caagcaaata tagaagactg tattttttac tatgatatacc attttccaga 240  
attgtgatta caatatgcaa agagtcataa atatgccatt tacaataa 288

<210> 14417  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 14417  
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gggcccagtg agtcgacacg gtggggggccc gcgatccccg gg 102

<210> 14418  
<211> 196  
<212> DNA  
<213> Homo sapiens

<400> 14418  
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cggggtgtca gggacagctc cgcgtcgctt tgtctcgctt ctteggggcc acgggtccag 120  
ctagacacgc ttagccttta acactcaagc cnggrttsn aagaccgctc cttecgctctg 180  
cgaccacggc tgccct 196

<210> 14419  
<211> 194  
<212> DNA  
<213> Homo sapiens

<400> 14419  
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aaaacgatct gagtaatggc ctttgttcac ctgttcaaag cgagccaaaa tttattgagc 180  
acctactctg tggc 194

<210> 14420  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 14420  
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cacaatggcg gccgccacc tgctgcgcgc gacg 94

<210> 14421  
<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 14421  
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aaactaacgt aga 73

<210> 14422  
<211> 61

<212> DNA

<213> Homo sapiens

<400> 14422

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c 61

<210> 14423

<211> 260

<212> DNA

<213> Homo sapiens

<400> 14423

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tggtgatgat gatgaggagg aggatgatga tgatgagaca cctctaaact tggaacaagt 120  
ttaagacttt atgagagaag aaaaaaatc accaacaaga attgtttgag gaaaaakkat 180  
aactatcctg tggtcatttt tttttataa acaataagaa aaagttgttg gatttttttt 240  
taatgatttc ttttttgkg 260

<210> 14424

<211> 97

<212> DNA

<213> Homo sapiens

<400> 14424

acyctcccc ggcccggcct ggcccggcct ggccagtcct cgcggtctct gcccggtctg 60  
acgccaggga atgtggtcga cgagaagccc caacagc 97

<210> 14425

<211> 119

<212> DNA

<213> Homo sapiens

<400> 14425

caatgtgtga gcgtaccacc ccatatctat gagtgtgtgt ctatatgtgt gtgaatctat 60  
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<210> 14426

<211> 200

<212> DNA

<213> Homo sapiens

<400> 14426

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agctggttat cctgacacta tgcactccga agcagaagaa tccaaggaag gtaggattct 180  
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<210> 14427

<211> 340

<212> DNA

<213> Homo sapiens

<400> 14427

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agctgggttat	cctgacatwa	tgactccga	agcagaagaa	tccaargaar	tgggcacaga	180
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tgtccaaatc	catcgccacc	accttaatag	acgacacaag	tagtgagggtg	ctggatgagc	300
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<210> 14428

<211> 333

<212> DNA

<213> Homo sapiens

<400> 14428

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aggcctgtct	tgatgatttt	tggttttttt	tcattgtcct	gttgaaatca	agtaattaaa	180
catttaagag	ccacaaaatt	gtatcacttt	tataatattt	tgacgtaaaa	tataatacca	240
tcttctctgt	kaatacataa	ttgctccaag	cttctctgtaa	actataagaa	tatatttagt	300
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<210> 14429

<211> 411

<212> DNA

<213> Homo sapiens

<400> 14429

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cctgcgcctc	gtccagccta	ggttccaccc	ttttctggga	acgctggagt	gcagtggcac	120
catctcggtc	cactgcaacc	tctggctccc	rggttcaagc	gattctcctg	cctcagcccc	180
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agcacgcac	accggcttcc	tcccagtccc	tcatctgaga	actcatgaag	ccacttggaa	300
tccctctctg	ctttgcctgg	ctcatcccat	gtcaatttca	gatcttcact	tcaggtcagc	360
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<210> 14430

<211> 200

<212> DNA

<213> Homo sapiens

<400> 14430

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tcaggaaaaga	aagaaagaaa	aaaaccgaac	ctgacaaaaa	agaagaaaaa	gaagaagaaa	180
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<210> 14431

<211> 182

<212> DNA

<213> Homo sapiens

<400> 14431

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gtggttaagg	gcaagacctt	agttcaagac	ccagcttggc	cactcactta	ctttttggcc	120
ttaggcagat	ttctttctcc	tgcgagcatc	agtgtcctca	atataaaatt	ataatggtag	180

aa

182

<210> 14432

<211> 316

<212> DNA

<213> Homo sapiens

<400> 14432

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cgtagcctg	tcctcctct	tgtaggtga	gtgagtaggc	gtcattcttc	acagtagtcc	120
tctgcctcca	ncngccccg	gatctcctt	cgctcggtcc	tctacgtgga	gtcacctatg	180
cagaggaatt	ccacggggcg	ggggcgagga	caggggtgcg	gggtctttat	ggcagacaat	240
ccccggctga	gcgcttgcc	agagtttctg	tgatgctaga	atctggactg	cctgcgacct	300
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<210> 14433

<211> 312

<212> DNA

<213> Homo sapiens

<400> 14433

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gcaccatgaa	ttccctcatg	agctaccggg	ccagctcngt	actgaggtcc	accgtctgta	180
ggggcctaca	cctctgagga	gcaggagggg	gccaccctcc	ctgcagctac	cctagctgag	240
gagcmtgttg	tgaggggcag	aatgagaaa	gccaggggc	ccccattgac	aggagctggg	300
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<210> 14434

<211> 252

<212> DNA

<213> Homo sapiens

<400> 14434

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tgagccaccg	agagagcaga	gaactcggcg	ccgccaaaca	gccagctcg	cgcttcagcg	120
tcccggcgcc	gtcgcgccac	tcctccgatg	gccacagatg	tctttaattc	caaaaacctg	180
gccgttcagg	cacaaaagaa	gatcttgggt	aaaatggtgt	ccaaatccat	cgccaccacc	240
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<210> 14435

<211> 336

<212> DNA

<213> Homo sapiens

<400> 14435

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cggccgtggg	tacatccgtc	tgagccgttc	ctttccatcg	cagagcgggc	gcctccggcg	180
gcgctctcca	gtcatggact	accggcggtc	tctcatgagc	cgggtggtcc	ccgggcaatt	240
cgacgacg	gactcctctg	acagtgaaaa	cagagacttg	aagacagtca	aagagaagga	300
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<210> 14436

<211> 153  
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 <213> Homo sapiens

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 ccacttccac tccatgtccc catgctcctg cgc 153

<210> 14437  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 14437  
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 gtacagtaaa maatagttaa aaatgtgrat agatactgtr aagctgctcg ctcagaaata 180  
 caagtktctg aacatctgaa tacaacagac cccaacagta ctttgtaagt atcagattag 240  
 aacttgggaa gtggtatcag gtatatattaa attaggagca actatactta gctatttttc 300  
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<210> 14438  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

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 cattgattcc aggtaaatca ga 142

<210> 14439  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens

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<210> 14440  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 14440  
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 attgtgtttt tgttttcatg tttagaactt ccttgagcat tttttttttt ttaagacaga 180  
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 ac 242

004220" 6667560

<210> 14441  
<211> 185  
<212> DNA  
<213> Homo sapiens

<400> 14441  
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tgccccactg cctccctacc cgactgacat tggacacggr acaagagacc tgacagggkc 120  
caacagagaa rcgcggatgg gctccagagc ttctttccag acccgcsagt ctctgggtgc 180  
aacag 185

<210> 14442  
<211> 438  
<212> DNA  
<213> Homo sapiens

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aagagggccg aagtccagga atgtatttca catagccagc caaaaaaact ttaaggctaa 180  
aaacaaagca aaaccagtta ccactaatct taagaagata aacattatga atgaggaaaa 240  
agttaacaga gtaaataaag cttttgtaaa tgtacaaaag gaacttgac atttcgcaaa 300  
aagcatttca cttgaacctc tgcagaaaga actgattcct cagcagcgtc atgaaagcaa 360  
accagttaat gttgatgaag ctacaagatt aatggctctg ttgtaatata ctggtgatgc 420  
atctaattct ccacaaag 438

<210> 14443  
<211> 321  
<212> DNA  
<213> Homo sapiens

<400> 14443  
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aagagggccg aagtccagga atgtatttca catagccagc caaaaaaact ttaaggctaa 180  
aaacaaagca aaaccagtta ccactaatct taagaagatt cctcagcagc gtcataaaag 240  
caaaccagtt aatgttgatg aagctacaag attaatggct ctgttgtaat atactggtga 300  
tgcattctaat tctccacaaa g 321

<210> 14444  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 14444  
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ctctaaggtt tttgttttct ttcttttttt ttcttttcac at 102

<210> 14445  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 14445

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ttcttaggam	ttncatttcc	taatatttat	tcatgggtaa	tgmagaaatg	gtttgcattt	180
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<210> 14446

<211> 429

<212> DNA

<213> Homo sapiens

<400> 14446

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aagaagaaaa	accgtggccc	aggaaggcat	gtgaatgagc	tgggtgcagca	tttggctctg	180
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ccctaggcta	gcagcctaata	tttgtggggg	aaactaanns	caactatggg	atttcagagc	360
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<210> 14447

<211> 316

<212> DNA

<213> Homo sapiens

<400> 14447

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gaccctgtct	caaaaaaaaa	tcggttttca	taaaaaaata	aagatcagtt	gaayactttg	240
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<210> 14448

<211> 248

<212> DNA

<213> Homo sapiens

<400> 14448

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<210> 14449

<211> 160

<212> DNA

<213> Homo sapiens

<400> 14449

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<210> 14450  
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<400> 14450  
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 aaaacgg 187

<210> 14451  
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 <212> DNA  
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<210> 14452  
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 <212> DNA  
 <213> Homo sapiens

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 taaagaaaca aaagacaggt gagacttcga gagccctgtc atcttctaaa cagagcagca 240  
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 ttaaaggcaa agtgctaatt gatattagag aatattggat ggatcctgaa ggtgcagggc 360  
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 <213> Homo sapiens

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 ttctttctcc 70



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<210> 14454  
<211> 266  
<212> DNA  
<213> Homo sapiens

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ggggcggggg acagagtctc gctctgtcac ccaggctgga atgcagtggg gtgatctcag	180
ctcactgcaa cctccgcctc ccaggttcaa ggaattctcc tgcctcagcc tcctgagtag	240
ctgggactac aggcgtgcaa caccat	266

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aaattgacat aaatggtaaa cttcaacatt ttcataatac agtattaatg tttgataaag	180
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<210> 14456  
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<212> DNA  
<213> Homo sapiens

<400> 14456	
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attctgtgta tgtaacaaaa tatcacatgc ataaatatta tgtatcaata aaatttttta	180
atggaca	187

<210> 14457  
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<212> DNA  
<213> Homo sapiens

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gaggcgra	488

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 cgacagcgnc ttggaagtgc tctaccagag ttgcgatcca ttacaagatt ttggcctttc 180  
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 agagaggaca tcaaagagct ttttcttgac ctagctctca tgtctcaagg stcatctgtt 300  
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<210> 14460  
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 <212> DNA  
 <213> Homo sapiens

<400> 14460  
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<210> 14461  
 <211> 161  
 <212> DNA  
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<210> 14462  
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<400> 14462  
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 tgcaccttgt gttcctacac cccctagagg ttgactactg ctatgtttgg gggctagagg 180  
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<210> 14466  
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 aactgggtat ccmgtcaagc ttggagagtc tgaagaaata gtatgaggta atgtgtttca 180  
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 <213> Homo sapiens

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<212> DNA  
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<211> 194  
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 <213> Homo sapiens

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<210> 14487

<211> 151

<212> DNA

<213> Homo sapiens

<400> 14487

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<210> 14488

<211> 469

<212> DNA

<213> Homo sapiens

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cagcatcatc	gctgaggtca	aggcacagta	ggaggagatc	gccaaccgca	gctgggctga	300
ggctgagagc	atgtaccaga	tcaagtatgc	agagctgcag	acgctggctg	gcaagcacgg	360
ggatgacctg	cgggtgtaca	agacttagat	ctccragatg	aaccggaaca	tcagccrgct	420
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<210> 14489

<211> 87

<212> DNA

<213> Homo sapiens

<400> 14489

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<210> 14490

<211> 121

<212> DNA

<213> Homo sapiens

<400> 14490

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<210> 14491

<211> 147

<212> DNA

<213> Homo sapiens

<400> 14491

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gaagaggcgg	cggcgtgatg	cggccccg				147



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 <212> DNA  
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<210> 14493  
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<210> 14494  
 <211> 135  
 <212> DNA  
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 gagtggccta acggtcacag ctgtcgccca tcggagaggc aggactactg cgagcagttt 180  
 taccgcgacc tccggaggcc ggcgtgacag gctctgtcac taaaatagga gtagaggttt 240  
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 taggtccaac cc 312

<210> 14496  
 <211> 506  
 <212> DNA  
 <213> Homo sapiens

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 gagtggccta acggtcacag ctgtcgccca tcggagaggc aggactactg cgagcagttt 180  
 taccgcgacc tccggaggcc ggcgtgacag gctctgtcac taaaatagga accgaaatat 240  
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tcattgccag gttatatatg atgctctgca aaacctggat aagaagattg atgtgattcg	360
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gaaaaatgag gtttacgaga cattct	506

&lt;210&gt; 14497

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14497

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aggcccagaa gaagggttgg aatatgttaa tgagttaaga catagcgcca gggttcatgt	120
gggtgagggt ctgacaccag acagatgaag ggtcgtcggc tacagtgact tgagtacc	178

&lt;210&gt; 14498

&lt;211&gt; 139

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14498

gctctggatc cgctgggttc gtaacaacat cccgttggct tccctcaggc ggcgggacca	60
gtgcagcgcc gctcccagg atcgtccgcc ggtcagggcc cttgccctcc ccggcacagg	120
ccaccatggc caccaacct	139

&lt;210&gt; 14499

&lt;211&gt; 427

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14499

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gcctggccag gtctccgtat ctctctgccc cgccgcccct tcccaactgc ggacatgctg	180
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aggaatgacg atgatgaaga ggaggcagcc cgggaacggc gccgcgagcc cgacagggaac	300
ggctgcggca gaagcaggag gaagaatcct tgggacaggt gaccgaccag gtggagggtga	360
atgcccagaa cagtgtgcct gacgaggagg ccaagacaac caccacaaac actcaagtgg	420
aaggggga	427

&lt;210&gt; 14500

&lt;211&gt; 481

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14500

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tgcgccacct gaccacagc ccggtcgtgg agctgcgacc ccggccctag ggcagtccag	120
atgaaaagag taygaatctg cctccagctg aataaaccat ggagaggaaa aaccatcca	180
gagagagccc cagaagactc tctgcccagg taggcaaagg cacagagatg aagaaagtgg	240
ctcgtcagct tgggatggct gctgctgagt cagacaagga ctctggcttt tcagatggga	300
gctcgttctg agctctgcag agcarwggag tccgaggaca tgctgagcgc cttaggctgg	360
agcagagaag acaggccgag gcagaactcc aaaactgcaa agaatgcctt cctaccctgt	420
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481

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 tacaggcgcg cgcttggtgt tgcctctcgc cgctgtgttt gggaggactc gaactggcgc 180  
 caggaaatat taggaagctg tgattttcaa agctaattat gaaaacattt atcattggaa 240  
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 <213> Homo sapiens

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 <212> DNA  
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 tcctgagcga gatggcggcg gcggtgcagg agagcgcgcg aagtacggga ccgagttcct 180  
 gatgaatatc tgttatcgct gaagtttctc tttggctcat cagccacca ggccttgac 240  
 ctagtgtgat gacagtcctat caccttaate tcatcaccca gtggaaggcg tgtttaccag 300  
 gtccttgga gttccagtaa aacatacaca tgnntggctt cttgtcatta ctgttcattg 360  
 cctgcatttg cattctcagt gctacggaag agtgacagca tcctgtgcaa gcatctcttg 420  
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 ttgactgaca tattattgat ggagaagaaa caagaagcr 519

<210> 14504  
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 <212> DNA  
 <213> Homo sapiens

<400> 14504  
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 ggatctacgc accccgcctc ctccgtagtt ccgcccctatc cttgtcctcc ttggctgggg 180  
 cgcccaccgg cgtctgata ggctacatcg cggcatgaga tgaagctgts acaggtttga 240  
 aaacacaaac acaatggcag gaaacagcct tgttctaccc attgttcttt ggggtcgaaa 300  
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<210> 14505

<211> 375  
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 <213> Homo sapiens

<400> 14505  
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 agtattgccca cagtttatta taataaaggg tttttatttg atttagcgca ttcaaagctt 180  
 ttttctatca cttttgtgtt cagaatataa cctttgtgtg cgtgtatgtt gtgtgtgtgc 240  
 atgtgtggcg tatatgtgtg ttacaggtta atgccttctt ggaattgtgt taatgttctc 300  
 ttggtttatt atgccatcag aatggtaaat gagaacacta caactgtagt cagctcacia 360  
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<210> 14506  
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 <212> DNA  
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 <213> Homo sapiens

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 aatctcattt tctgtttttt tcttagcata tcagttacac ttcttttttt actttttctt 240  
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 cagaagagtt taattctttc tttgtgctcg gatcctgggt ccttcattgt acagtgatca 180  
 tcaaatgcaa catccttcac gaaaatgaat agcttcactt tttggcattt ccttcctttt 240  
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<210> 14509  
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<213> Homo sapiens

<400> 14509

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<210> 14510

<211> 236

<212> DNA

<213> Homo sapiens

<400> 14510

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agggagagag agagagagcg ctagagagag ggagcgagca tgtgcgatga gcaatagctg	180
tggaccttac agttgctgct aactgccctg gtgtgtgtga gggagagaga gggagg	236

<210> 14511

<211> 352

<212> DNA

<213> Homo sapiens

<400> 14511

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ggtgtatcct attcctagtgt gtgtaggata gtctagtaat gaatagattg aagaaggat	120
atttgacatc caagggatga actactttac ttgaagccgt tactcctttc agaagagtat	180
tgaaattggt tctctgaaag tgtatgtgaa gcttaagtcc ctacaaccta ttaactgtgt	240
gacactcggc aaatccctta cactctttta gtctcaattg ccccatctat ccagtgagac	300
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<210> 14512

<211> 350

<212> DNA

<213> Homo sapiens

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acttagtaag acaaagatga atgttttagaa cagtgcctgg cacttagtga tgttagaaat	180
gaaccttgaa gggtggcaaa gatatttgata gacagttttc ttttgattgt gacctactga	240
gaggtcagta taggcagaaa gcacagggca cacagagaag acaagttgaa aggtataggg	300
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<210> 14513

<211> 178

<212> DNA

<213> Homo sapiens

<400> 14513

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atacttcgtg tgcttttcct tttttttttg agacggaggc tcaactccgtc acctaggc	178

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<211> 92  
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 <213> Homo sapiens

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<210> 14515  
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 <213> Homo sapiens

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 tgtcggaaga gacc 135

<210> 14517  
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 gaccttcaga gctctgatgt ggagacaagc caagggtacc aaatggtaaa gc 112

<210> 14518  
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<210> 14519  
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<212> DNA  
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tttaaaaata cttttaaatt tatttatatt ctgctg 216

<210> 14521  
<211> 456  
<212> DNA  
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<213> Homo sapiens

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<212> DNA  
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tttgagcggg tagtccggag agtgggtccag gagctggacc atggtgggga gttcatccct 180  
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260

<210> 14524

<211> 134

<212> DNA

<213> Homo sapiens

<400> 14524

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acacataatc ttaa 134

<210> 14525

<211> 213

<212> DNA

<213> Homo sapiens

<400> 14525

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atgaactcta gtcccaagga atacagaagt gctcttatta ccagttttcc cacttggtggc 180  
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<210> 14526

<211> 91

<212> DNA

<213> Homo sapiens

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<210> 14527

<211> 155

<212> DNA

<213> Homo sapiens

<400> 14527

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<210> 14528

<211> 95

<212> DNA

<213> Homo sapiens

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<210> 14529

<211> 189

<212> DNA



<213> Homo sapiens

<400> 14529

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aatccatttt	cacttartat	aattagcaat	attttatatt	tcattccacc	atcttgctaa	180
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<211> 229

<212> DNA

<213> Homo sapiens

<400> 14530

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aagttagact	gggaaaaatg	atatttagga	agagttttaa	aacttattca	ctctaccatt	120
cttctaagta	ttctgaacnt	tcttctgggt	acaaccaggt	tggtagggag	ctgattactt	180
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<210> 14531

<211> 414

<212> DNA

<213> Homo sapiens

<400> 14531

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tcaagaattt	tgaatactgg	cttagatatg	gaaactctgt	ctatttggtg	acggctttgt	180
gaacaaggaa	ttaaccacga	agctttatca	tcggttatta	aggagcttcg	caaggctact	240
gaagcactga	aggctgctga	aaatatgaca	agctgacttt	ctggagaaat	tctgatgaga	300
tatgtcaagc	tctgcaagag	ggtttgaaga	ttgcattgta	gttgagaatg	tacaatgaaa	360
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<210> 14532

<211> 317

<212> DNA

<213> Homo sapiens

<400> 14532

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tgggggaaga	aaaggagcag	gaaactaccc	cgcacagagt	taagcaggaa	acaacaacaa	180
catcatgcaa	aaaccctgca	aagaaaacga	aggaaagcca	aagtgcagcg	tgccaaagag	240
ggaggaaaaa	cgcccgtatg	gagaatttga	acgcnagcaa	acagaaggga	attttagaca	300
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<210> 14533

<211> 217

<212> DNA

<213> Homo sapiens

<400> 14533

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tgggggaaga aaaggagcag gaaactaccc cgcacagagt taagcaggaa acaacaacaa 180  
catcatgcra aaaccctgtg cggggtagtt tccagct 217

<210> 14534  
<211> 118  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<400> 14535  
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<210> 14536  
<211> 152  
<212> DNA  
<213> Homo sapiens

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ccgggacccc cggccgccc cgaccggcaa cc 152

<210> 14537  
<211> 258  
<212> DNA  
<213> Homo sapiens

<400> 14537  
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ctggtctcgg gagaccgag agcgraaaca ggagcagaag acaggaaccg aggcggaggc 180  
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cttgatttg tttggtgt 258

<210> 14538  
<211> 339  
<212> DNA  
<213> Homo sapiens

<400> 14538  
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cccagcctca gcagcgnac cgscgggtgg tgccgtgtgg gtggccggaa ctgggcnmg 180  
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agtgtgggtg tgtgcggtga ggtttggtg gcgtttgtg

339

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<212> DNA

<213> Homo sapiens

<400> 14539

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cgattgccgc	ccgcttctct	ctagtctcac	gaggggtttc	ccgcctcgca	cccccacctc	180
tggacttgcc	tttccttctc	ttctccgcgt	gtggaggagg	ccagcgctta	ggccgragcg	240
agcctggggg	ccgcccgcgc	tgaagacatc	gcggggaccg	attcaccatg	gagggcgccg	300
gcgsgaaaac	gasragaaaa	agataagttc	tgaacgtcga	aaagaaaagt	ctcgagatgc	360
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<210> 14540

<211> 110

<212> DNA

<213> Homo sapiens

<400> 14540

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<210> 14541

<211> 124

<212> DNA

<213> Homo sapiens

<400> 14541

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<210> 14542

<211> 120

<212> DNA

<213> Homo sapiens

<400> 14542

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<210> 14543

<211> 228

<212> DNA

<213> Homo sapiens

<400> 14543

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atgagcactg	gaagtgacaa	taaagaagag	attgatattat	taattaaaca	tttaaagtgt	180
tctgatgtaa	tagacattat	ggaaaatctt	tatgcaagtg	aagagcca		228

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 <213> Homo sapiens

<400> 14544  
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 gcagc 125

<210> 14545  
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 <212> DNA  
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 cttgcagctg gacaacgagc tcctccgttc gacaggcggg ggaagaggnc gagccgggcg 180  
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<210> 14546  
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<210> 14547  
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<210> 14548  
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<210> 14549

<211> 109  
 <212> DNA  
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<400> 14549  
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 ggctcttag attgatctcc atcaccctcc cctgtgcccg tcccgcccc 109

<210> 14550  
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 <212> DNA  
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 gacaatgcat cattataaga tttgaaatga gggtaagta aatatttctt ttgtaagggtg 180  
 ggaaaaggat ctcttatgaa agcag 205

<210> 14551  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 14551  
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<210> 14552  
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 <212> DNA  
 <213> Homo sapiens

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ggagaccaga acgcaaagag agcgagagca ttaagtaggc agggagaggc nnacagaaaag 180  
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<212> DNA  
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gaa 183

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cctcctgttc cgag 134

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tccggctcag ccgscatc agtcgggtcc cgccttgag ctctccaga gggacgcgc 180  
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<210> 14560  
<211> 91  
<212> DNA  
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accgcagct ccgccccgc ggtcctgac c 91

<210> 14561  
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<212> DNA  
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ccccg 125

<210> 14562  
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<212> DNA  
<213> Homo sapiens

<400> 14562  
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<210> 14563  
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<212> DNA  
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<210> 14564  
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<400> 14564  
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 cttccagatc aacctcaacc c 141

<210> 14565  
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 ttctcaaaac cc 252

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 gccctccctt tcaatattct ctctggagct aac 633

<210> 14567  
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 <212> DNA  
 <213> Homo sapiens

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<210> 14568

<211> 301

<212> DNA

<213> Homo sapiens

<400> 14568

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 gccatgtcat ccctgtaccc atctctagag gacctaaaag tggaccaagc cattcaggcc 180  
 caggtcagwg cntcacccaa gatgccagcy ctgccagtcc aggcaacagc catttcccca 240  
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<210> 14569

<211> 138

<212> DNA

<213> Homo sapiens

<400> 14569

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<210> 14570

<211> 314

<212> DNA

<213> Homo sapiens

<400> 14570

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 ccatttgagg aagcagacca gcccactaca gagccaggca tggtcctgga cagtgtggaa 240  
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<210> 14571

<211> 103

<212> DNA

<213> Homo sapiens

<400> 14571

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<210> 14572

<211> 179  
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 <213> Homo sapiens

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<210> 14574  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

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 ggtactgrac wcttctagag ta 142

<210> 14575  
 <211> 135  
 <212> DNA  
 <213> Homo sapiens

<400> 14575  
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 gctgactctt catgccccta agattttaag tacgatgggtg aacgttctaa ttccagaacc 240  
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<211> 344

<212> DNA

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<211> 146

<212> DNA

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 14581

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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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cgaggacgat gaggatggtg atgaggtaga ggaagaggct gaggaaccct acgaagaagc 240  
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<212> DNA  
<213> Homo sapiens

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gagcgagctc ctgctgcaac tctgctccag cacggccagc gccagcgccc gccgtcgggtg 180  
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&lt;210&gt; 14587

&lt;211&gt; 357

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14587

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&lt;210&gt; 14588

&lt;211&gt; 538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14588

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&lt;210&gt; 14589

&lt;211&gt; 167

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14589

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&lt;210&gt; 14590

&lt;211&gt; 546

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14590

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<212> DNA

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<212> DNA

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<212> DNA

<213> Homo sapiens

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<212> DNA

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ccccagaact	ctccttccag	ctgaactccc	tggaacaag	tcagttgggc	tgatcactga	180
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cccaatttcg tatctccagt tggtaaagaa tgtagctgtc cgctattttg gaacgtctcg	180
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cagacatggg ggaaatcgcc agcttcgata aggccaaagct gaagaaaacg gagacgcagg	180
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ccgatgccac cggcctgtgg gtctctgaag ggaccccccc ccaatcggac tgccaaattc	420

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<212> DNA  
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 cagctgcccc ctaaaacccc cccttcgtct tggcggcagc gggagactga gagacgcgcg 420  
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 agcgtgcaga ag 312

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cgcccagacc tggcgytctc tcggccccct cttaggaacg ctagccctgg gcagaaattg 180  
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aaagccatac ttagttctgg gggcatacaa aaacatgcta caggcagagg gcagaattta	180
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gatcatcccc tctccctcca gtgcgttcta tctcccccac acccacccta gatactccct	180
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<210> 14660  
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 <212> DNA  
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<400> 14665  
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<400> 14667  
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<210> 14669  
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<400> 14669  
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<210> 14670  
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 <212> DNA  
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<400> 14670  
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 <212> DNA  
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<400> 14671  
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<210> 14672  
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gaaaatgaaa gttatacaat aggaaagtga gagtgaagaca ttgtttctca aaagttttaa 180  
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<210> 14673  
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 <213> Homo sapiens

<400> 14673  
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 cccagccgag gttctcgga ccgcttgag agcttcagct gcccagggt gtgcagatta 180  
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<210> 14674  
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 <212> DNA  
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<210> 14675  
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<210> 14676  
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 <212> DNA  
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<210> 14677  
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 <212> DNA  
 <213> Homo sapiens

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 gttggaccgg gaaggcggcg gggaggaaca ggaaggggtga aagaccaagt ccgcgtagtt 180

tacaaggagt	gggagagtct	aggaatcggt	ccgcgagggc	ggagcgagga	agccggcact	240
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<210> 14678  
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gcagggcgaa	gactgaagcg
agargggcag	cgcgaggtgg
agcgaacgc	caggttaaaa
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tcttcaggaa	caagcacatc
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<210> 14679  
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agtttttaaac	catgtatgac
gaagtgttgg	aactagatga
aagttgatct	tctttaccba
tggtt	
gaagggcggg	gtggcgggtg
tctgcggctt	gtccatagtg
gtcayacaga	cgctgccata
caagaatctg	gtaaggctgt
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tttgaaaaag	tgaacagaaa
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<210> 14680  
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 <212> DNA  
 <213> Homo sapiens

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<210> 14681  
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 <212> DNA  
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	60
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<210> 14682  
 <211> 120  
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<213> Homo sapiens

<400> 14682  
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<210> 14683

<211> 80

<212> DNA

<213> Homo sapiens

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<210> 14684

<211> 251

<212> DNA

<213> Homo sapiens

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aaggaagcag aaaggccagt ccccaactca cagttgcatc ctatgaccac acttggatcc 180  
tgctcccgt gtgccagggc accctgggag ccatgtgtct cattcagagc ctcgacctct 240  
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<210> 14685

<211> 207

<212> DNA

<213> Homo sapiens

<400> 14685  
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cccgccaacc gcgctttttg tggcggtcg gaaaccacag cctccgttgg atatgttcg 180  
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<210> 14686

<211> 165

<212> DNA

<213> Homo sapiens

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agcagcagca gcagcagcag cagcagcagc acccgcatcc gctgcgggag tccgagccgg 120  
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<210> 14687

<211> 146

<212> DNA

<213> Homo sapiens

<400> 14687

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<210> 14688

<211> 441

<212> DNA

<213> Homo sapiens

<400> 14688

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<210> 14689

<211> 113

<212> DNA

<213> Homo sapiens

<400> 14689

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<210> 14690

<211> 162

<212> DNA

<213> Homo sapiens

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<210> 14691

<211> 148

<212> DNA

<213> Homo sapiens

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<210> 14692

<211> 180

<212> DNA

<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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ccggaagtca gccttacgtg cggggaacga cagtgccatg gcagacggcg agggatamcg 300  
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<210> 14698  
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acca 244

<210> 14699  
<211> 326  
<212> DNA  
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<210> 14700  
<211> 205  
<212> DNA  
<213> Homo sapiens

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ctctcccct cctcccgcc acgcc 205

<210> 14701  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<210> 14705  
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<212> DNA  
<213> Homo sapiens

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<210> 14706  
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<212> DNA  
<213> Homo sapiens

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ttctgt 126

<210> 14707  
<211> 171  
<212> DNA  
<213> Homo sapiens

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acgcacgcac acacccacct ctcccataaa cacacacaca cacatgcaca c 171

<210> 14708  
<211> 366  
<212> DNA  
<213> Homo sapiens

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<210> 14724  
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<210> 14726

<211> 149

<212> DNA

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<211> 186

<212> DNA

<213> Homo sapiens

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<212> DNA

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<210> 14729

<211> 245

<212> DNA

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<210> 14730

<211> 191

<212> DNA

<213> Homo sapiens

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 tactggaaaa catcactgca gctgcagcag gccggcatgg tgacagcctc cctccctgcg 180  
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&lt;211&gt; 120

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;211&gt; 103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 14776

&lt;211&gt; 430

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;211&gt; 1033

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;211&gt; 1032

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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tgcttcccc tacacctcca tatccccacc aaaaggtcca tctggctcct ggtgctcagc 180



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 <212> DNA  
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<210> 14795  
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<400> 14795

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cacctctctg	atgtgttga	tatgcctgtg	gatcccaacg	aaccaccta	ttgcctttgt	300
caccaggtct	cctatggaga	gatgattggc	tgtgacaccc	tgattgttcc	attgagtnnt	360
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&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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gccggactca	aaaggagaag	aaagctgctc	gtgctcggtc	caaagggaaa	aactcggatg	300
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&lt;210&gt; 14797

&lt;211&gt; 475

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 14798

&lt;211&gt; 397

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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gcaatgtggg	tggggtgagt	ggggagagrg	cgtgggtggg	tagaaatcag	ctaacagagc	300
actttatcac	tcagtgcggg	agtgtagaat	ttatttttaa	tattttggga	agacttttagg	360
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&lt;210&gt; 14799

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 ttaaagggtg tgatgtgatt gctcaagctc agtcaggtagc tggcaagaca gccacatcat 300  
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 ggagatgata gtggatggca mggaggcaaa aactctaaat taatggacgt tttcttaggg 180  
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<210> 14801  
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 <212> DNA  
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<210> 14802  
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<210> 14807  
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<212> DNA  
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 gg 602

<210> 14809  
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 <212> DNA  
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 ttgctaatac caaaattgag cttacaatta ggaactgagt atgtgtaaca ggatacaggt 180  
 gacagtgaag atagaagaac cacgatgacc acagactcaa tgtgctctgt aacatcgac 240  
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<210> 14811  
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ataaactaga acgaaaacac aggcattgaat caggggactc aagggaaaga ccatcttctg 180  
gggaacaaaa atcaagacc tg 202

<210> 14812  
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<213> Homo sapiens

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<210> 14813  
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<212> DNA  
<213> Homo sapiens

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<210> 14814  
<211> 587  
<212> DNA  
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<213> Homo sapiens

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<210> 14816

<211> 482

<212> DNA

<213> Homo sapiens

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<210> 14817

<211> 412

<212> DNA

<213> Homo sapiens

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gtctggacat ctgggtgaag ttttaataag gtgtaataat gtcctttata tcagagggtgt 360  
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<210> 14818

<211> 348

<212> DNA

<213> Homo sapiens

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ctaaggatag atgttttaaaa actggagggtc tctgtataag gagaacacaa tccaccattg 240  
tcatttaagt aataagacag gaaattgacc ttgacgcttt cttgttaaat agatttaaca 300  
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<210> 14819  
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<212> DNA  
<213> Homo sapiens

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ccgccatgga caattccggg aaggaagcgg aggcgatggc gctgttgcc gaggcggasg 180  
caaagtgaag aactcgcagt cttctctctc tggcctcttt ggaggtcat ccaaaataga 240  
ggaagcatgc gaaatctacg ccagagcagc aaacatgttc aaaatggcca aaaactggag 300  
tgctgtgga aacgcgttct gccaggctgc acagctgcac ctgcagctcc agagcaagca 360  
cgacgcagcc acctgctttg tggacgckgg gcaacgcatt caagaaagcc racccccaag 420  
argccattaa ctgtttgatg cgagcaatcg agatctacac a 461

<210> 14820  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 14820  
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gaagcgcctc tgcgctggg acccttcagg taggacagct cccaacgctg tggggactct 180  
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aggacggagt ctggggaaat caatgggatg gggctaaaat cgtgcctggc 410

<210> 14821  
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<212> DNA  
<213> Homo sapiens

<400> 14821  
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ccagtgaagaa attacagggt ctttttgaag ctcaactgtt gccaggagat ggaatatcaa 180  
tgcccaacag ggcaaccaat aaaagtgtca ctaagaatat aaatatttgg aatcagcaaa 240  
aactgtagtg ttacaggaaa cagtacagtc ttctgaacac ccagatcata gaggtgatga 300  
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<210> 14822  
<211> 252  
<212> DNA  
<213> Homo sapiens

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atgagaaatc actatgtata attatacaca ataaaaatat atacaacagg tattttgata 180  
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<210> 14823  
 <211> 121  
 <212> DNA  
 <213> Homo sapiens

<400> 14823  
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<210> 14824  
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 <213> Homo sapiens

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 aattagagaa ctggaggaac cacatataac acttaacttc ccctaccctg cccctcccca 240  
 aaagaaaacca tgacaaacct agctttttaa aaatatttta agaaagagaa tgaactgtgg 300  
 aattttattgg cagccaagga atgtgtccaa gacacatgct gaggttttga ataaaaagtg 360  
 aacttttcta atttgaattg ggtcccgtt agttcttgaa ttgttatgaa aatcctatat 420  
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<210> 14825  
 <211> 438  
 <212> DNA  
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<400> 14825  
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 ggcccctgac tacatgggtct ttggaaccck ykngcattgr aagatgtcag agacatggca 180  
 cakggawgtg atcttcaaaa actgttacag cctcatctca ttgggtgagt acagtttctc 240  
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 gtttagggac cagagacaag atatttctgt actaaacaga tgatagtcct tttctttarn 360  
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 ttctgaagac tacttagg 438

<210> 14826  
 <211> 426  
 <212> DNA  
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<400> 14826  
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 ggcccctgac tacatgggtct ttggaaccck tggcattgra agatgtcaga gacatggcac 180  
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gtcaga 426

<210> 14827  
<211> 413  
<212> DNA  
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<400> 14827  
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gggtagctga tgccctcctg tatagagcca ccttgatag tttgcaaatt attttawncc 360  
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<210> 14828  
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<212> DNA  
<213> Homo sapiens

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gatgcggccg ctctgtcctc tgcagtcaag acgctgggag cgtcgaggac tgggtaagat 180  
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<210> 14829  
<211> 255  
<212> DNA  
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gatgcggccg ctctgtcctc tgcagtcaag acgctgggag cgtcgaggac tggcttctac 180  
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tgggaggccg aggtg 255

<210> 14830  
<211> 89  
<212> DNA  
<213> Homo sapiens

<400> 14830  
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aaaaacttat agcgacttca aataagcca 89

<210> 14831

<211> 409  
<212> DNA  
<213> Homo sapiens

<400> 14831  
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gtggagctga gccggagaca ggcagttgtg aaaaacttca ggacaaaaat gtttcattta 120  
aggacttgtg ctgctaagtt gaggccattg acggcttccc agactgttaa gacattttca 180  
caaaacagac cagcagcagc taggacattt caacagattc ggtgctattc tgcacctgtt 240  
gctgctgagc cttttctcag tgggactagt tcgaactatg tggaggagat gtactgtgct 300  
tggctggaaa accccaaaag tgtacataag gtaaggctcg cagggtgtg ggtctagcct 360  
catgttggtg tgttggcctg ttcctgactg gyaccaggta agtgtgtgc 409

<210> 14832  
<211> 408  
<212> DNA  
<213> Homo sapiens

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aggacttgtg ctgctaagtt gaggccattg acggcttccc agactgttaa gacatttcac 180  
aaaacagacc agcagcagct aggacatttc aacagattcg gtgctattct gcacctgttg 240  
ctgctgagcc cttttctcag gggactagtt cgaactatgt ggaggagatg tactgtgctt 300  
ggctggaaaa ccccaaaaag gtacataagt catgggacat tttttttcgc aacacgaatg 360  
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<210> 14833  
<211> 472  
<212> DNA  
<213> Homo sapiens

<400> 14833  
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agggccaaact cagtgcagat gagaagttcc tctttgtgga caaaaacttc atcaacagcc 180  
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gcttcgaggc agccagcatt aaggaggaga aggggatga ggtggttgtg gagctggtgg 300  
agaatggcaa gaaggtcacg gttgggaaag atgacatcca gaagatgaac ccaccaagt 360  
tctccaaggt ggaggacatg gcggastgac gtgcctcaac gaagcctccg tgctacacaa 420  
cctgaggagg cgttacttct cagggtcta atatacgtac tctggcctct tc 472

<210> 14834  
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<212> DNA  
<213> Homo sapiens

<400> 14834  
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caggctgact gggccgccaa gagactcgtc tgggtcccct cggagaagca gggcttcgag 180  
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aagaaggtca cggttgggaa agatgacatc cagaagatga acccaccacaa gttctccaa 300  
gtggaggaca tggcggactg acgtgcctca acgaagcctc cgtgctacac aacctgaggg 360

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390

<210> 14835  
<211> 261  
<212> DNA  
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<400> 14835  
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ggagaaacac caaacactcg gaaacagcca gggctttcgc aacagtgaag ctgcagatcc 180  
catttatttc cgtcttagta gcattgtctc tgttcaaatt aggtaccagc aactaaggca 240  
agtccactaa acattcacat g 261

<210> 14836  
<211> 246  
<212> DNA  
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<400> 14836  
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ccacagatca gaaayccgat ggagcggatg tatcgagaca cattctacga caactttgaa 180  
aacgaaccca tcctctatgg tcggagctac acttggtgtg gctatgaagt gaaaataaag 240  
aggggc 246

<210> 14837  
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<212> DNA  
<213> Homo sapiens

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gggattacag gtgtragcca ccgtgcccag ccttgactca gtttttgact caatcactgt 180  
gttgatcatc aagtcctatg ttagcaaaca atttttttat tgcagcagat tcagggaagct 240  
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<210> 14838  
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cttttctatt aagaaatgta tttggmaaat atttaggaag gatgccaggc tcagccactt 120  
cattccctca ttctgatcct gcctaattct gccactct 158

<210> 14839  
<211> 324  
<212> DNA  
<213> Homo sapiens

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 gctgagatag aacgtgatga catcgacatg ttgaaagaac tggggagtct caccacggct 240  
 aatttgatgg agaaggttcg aggcctacag aacctagcct atcagctggg gctggatgag 300  
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<210> 14840  
 <211> 482  
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 atccattcat gttgcagcag tctacaaatc cagcaccagg aattctggga cctccacctc 240  
 cctcatttca tcttggggga ccagcagttg gaccaagagg aaatctgggt gctggaaatg 300  
 gaaacctgca aggacctaga cacatgcaga aaggcagagt ggaaactagc agagtgttc 360  
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<210> 14841  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 14841  
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 aaaacttggg cctcatcctc aattattttc tcttttcaac tctgttgacc ctctgtctgg 120  
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<210> 14842  
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<400> 14842  
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 gctttctcct tgaaaacagc cttcttagtc tgtacacact ggttgggatg ggtggaaggt 180  
 aatagaaaga taattgggtt ggcagattaa aaacttgggt tctaatacctt tttctgccac 240  
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<210> 14843  
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 <212> DNA  
 <213> Homo sapiens

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<210> 14844  
<211> 333  
<212> DNA  
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<210> 14845  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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<210> 14847  
<211> 281  
<212> DNA  
<213> Homo sapiens

<400> 14847

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<210> 14848  
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<210> 14849  
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 <212> DNA  
 <213> Homo sapiens

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<210> 14850  
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 <213> Homo sapiens

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 gttgatgac tacagatttg catctgctgg tgatgatgga attgtagttg tgtggaatgc 240  
 ccagacaggg gaaaaacttt tagaactgaa tggacacact caaaagataa cagctattat 300  
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<210> 14851  
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<400> 14851 60  
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<213> Homo sapiens

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<211> 205

<212> DNA

<213> Homo sapiens

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<212> DNA

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<212> DNA

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&lt;211&gt; 327

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;211&gt; 306

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 14904

&lt;211&gt; 414

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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gctcctgttc	acagccggaa	gttctgttcc	tttgggatat	aggtttcttc	aaactcctgg	300
taggtgtcaa	tggccagctg	gtgcgcgcga	tgggcttgga	gcatagcgtg	gtcaaaaagc	360
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&lt;210&gt; 14905

&lt;211&gt; 319

<212> DNA  
<213> Homo sapiens

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agcagagacc atggggcccc tctcagcccc tccctgcaca gagcaccggg gttttctcgt 240  
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tttgagtatt gttgtgggg 319

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taaaaaatta gccagatgtg gtggcacatg cctgtggtcc cagttactca ggaggctgag 420  
gggggaggat cacttgagtc caggagttct gggctgtagt gcgctatgcc gatcgggtgt 480  
ccgcactaag ttcggcatca atat 504

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<212> DNA  
<213> Homo sapiens

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tgctaggtat ttggacatgc gcaactgaaa tttcaatggg aaaacagggc tagcaatgta 240  
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acccacagta gacaaaaaga agaraaagga ggcaggagaa gga 343

<210> 14908  
<211> 352  
<212> DNA  
<213> Homo sapiens

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aaagcgacga aaaacgaaca aaggaacagt aaatggagta acttggctag aatatggcag 180  
taactacaag gcatgttctg ctctggcacg aagacaaccc acctgaggca ccagacacat 240  
gagtgaagcc atcttggaca tcccagtcas agccaaactc amtccctgag gcatctgcat 300  
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<210> 14909

<211> 107  
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 <213> Homo sapiens

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<210> 14910  
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 <212> DNA  
 <213> Homo sapiens

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 cagtggagga gagagttcac 140

<210> 14911  
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 <212> DNA  
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 ggaagagtag gaagattagg tcaaaatgga acagcgatta ctttcatcaa taataattca 120  
 aaaagactct tctgggatat tgcaaaacga gtaaagccca caggatccat tcttccccct 180  
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 cagacacaga atgatctggt tacagga 267

<210> 14912  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

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 tgagatgac taggtgaagc acttagagaa atgccagctc acagagcgtg ctcaataaac 120  
 attagccatc atcattgcat caccagcact accactgccg ccatcatcat ca 172

<210> 14913  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

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 gtgagacaga tcaagatcaa gaccggcgtg gtgaagcggg tggtaaaga aaaagtgatg 180  
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<210> 14914  
 <211> 242



<212> DNA  
<213> Homo sapiens

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gtgcgcactg ctcagccttc gccccgtgg gcgaaaggct gctgcggtt caggcggtg 180  
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gg 242

<210> 14915  
<211> 466  
<212> DNA  
<213> Homo sapiens

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actgctgctg ctgctgctgc tgccgctgct gctgcacgaa tcgycgcagc cccagcctt 120  
gcgcgtcgtc gctacctct cggacagaaa ttttatgaat aagcatcaga agccagtgt 180  
aacaggccag cggttcaaaa ctcgaaaaag ggatgaaaa gagaaattcg aaccacagt 240  
cttcagggt acacttgctc aggggcttaa tgaggctggg gatgacctg aagctgtagc 300  
caaatttctg gactctacag gctcaaatta gattatcgtc gctatgcaga cacactctc 360  
gatatacctg tggttgccag tatgcttgcc cctggaggaa cgcgcataga tgatggtgac 420  
aagaccaaga tgaccaacca ctgtgtgtt tcagcaaatg aagatc 466

<210> 14916  
<211> 169  
<212> DNA  
<213> Homo sapiens

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ttcatttgtt ctctaaaacc agggtgaaaa agagaacaga cttaacggg 169

<210> 14917  
<211> 161  
<212> DNA  
<213> Homo sapiens

<400> 14917  
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gtttttcgct ctaccaaagt cgtctgaagg cgagacagc g 161

<210> 14918  
<211> 472  
<212> DNA  
<213> Homo sapiens

<400> 14918  
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gcctgcgctg ttctatttct ccttcggccg ccgcgcacac tgctgcacac agctggtgtc 240  
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 tacccgactc tttgggccgt tatctcacgg cgaactttct gaccaagtat acaactaccc 420  
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<210> 14919

<211> 178

<212> DNA

<213> Homo sapiens

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<210> 14920

<211> 368

<212> DNA

<213> Homo sapiens

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 cttgcgagcg accgaaaccc aagcggggag cattcgagtg gagccgcgcg tgggtgggag 180  
 ggccggggagt gaagaccctg grstgtggtc agaccgagct gggcgagtaa cggcttgagg 240  
 tgccggcgag cctaactagg gacaggtatg gtctcggta gggactggag gcggcttgga 300  
 tacagatccg aggaggaggc ggccctcttc gtagtggttg ctgaagggct atggaaatga 360  
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<210> 14921

<211> 526

<212> DNA

<213> Homo sapiens

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 cgcccagtag gtgattgaat tactcagata tgaagatcat catctagggt ttgtgtaaaa 120  
 ggccctggat attttaagt gccattttgg atttacagt tttttggata attttgcccc 180  
 agaagtttat taaaattggc aagaatcgtc tgtgaagtga attgatagta gtgaacaatt 240  
 cagcaagcta cttaaaaaga gaccaggca gcatttcttc agtatttttg ttcaaacgga 300  
 ttatattaac tggttacagt atttcagctg gtggttaatt ttgcctcccc ttccccacc 360  
 ccgttggttg ggttcttcag ccgaaactga gagacgttga tttgtgtact gagtagtttc 420  
 agcagtttca aatgactgag tattgttgaa gtttcatggc agtttatttt tacctttatt 480  
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<210> 14922

<211> 609

<212> DNA

<213> Homo sapiens

<400> 14922  
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 gcaaaagggg attattcaaa gtaccgaaaa ctttctcccg ggatcaggcg cggcggcacc 120

cccaggccag	gggcacctct	ggtggggcag	aaggtgattg	aattactcag	atatgaagat	180
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gtgttttttg	ataattttgc	cccagaagtt	tattaaaatt	ggcaagaatc	gtctgtgaag	300
tgaattgata	gtagtgaaca	attcagcaag	ctacttaaaa	agagacccag	gcagcatttc	360
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tgatttgtgt	actgagtagt	ttcagcagtt	tcaaagtact	gagtattgct	gaagtttcat	540
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&lt;210&gt; 14923

&lt;211&gt; 126

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 14923		60
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caacgagaca	caaaaagaga	ggcaaccctt
asaccaccgc	gaaggacca	tctgcacat
gaccga		126

&lt;210&gt; 14924

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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ctctcaagag	tatcaacaat	gccgaaaaga
gaggcaaacg	ccagggtgctt	attaggccgt
gctccaaagt	catcgctccg	tttctcactg
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agaacacact	gcattgtaaaa	gatgtattac
aatctcaaag	ccagtataag	aaatcttgct
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ctattttatt	ctacataaga	gcca
		444

&lt;210&gt; 14925

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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aactcagtcg	tgattcagcc	gtagaaatgc
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ccttttcttac	ctaatacacag	agtttgtgta
gtgaatttta	aaagaaaaaa	aaattgttat
aagtttggag	caagggawta	tgtgtttcaa
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tccttttctg	ccaatgggga	acctaatact
gttttaattg	caca	
		434

&lt;210&gt; 14926

&lt;211&gt; 1428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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 tcatcaagaa tgcaattaga ctaattgtga ataaatgatt gaatgaagat ataataata 1380  
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<210> 14927

<211> 1341

<212> DNA

<213> Homo sapiens

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 gnnatgaacg gaaaggagct caatggaaaa caaatttatg ttggtcgagc tcagaaaaag 180  
 gtggaacggc agacggaact taagcgcaaa tttgaacaga tgaaacaaga taggtacac 240  
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 cgcaaagaag agcgcaggc tcacctcact aaccagtata tgcagagaat ggcaagtgt 540  
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<210> 14928  
<211> 1340  
<212> DNA  
<213> Homo sapiens

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<210> 14929  
<211> 1186  
<212> DNA  
<213> Homo sapiens

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tcaaccccga gatgctgaac aaagtgtgtt cccggctggg ggtcgccggc cagtggcgct 180  
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 <212> DNA  
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<213> Homo sapiens

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<210> 14933  
<211> 968  
<212> DNA  
<213> Homo sapiens

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<210> 14934

<211> 964  
 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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<210> 14936  
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 <212> DNA  
 <213> Homo sapiens

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<210> 14937  
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 <212> DNA  
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 <211> 911  
 <212> DNA  
 <213> Homo sapiens

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&lt;210&gt; 14939

&lt;211&gt; 903

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 14940

&lt;211&gt; 896

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 14941

&lt;211&gt; 894

<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

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&lt;211&gt; 810

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 14950

&lt;211&gt; 806

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<212> DNA  
<213> Homo sapiens

<400> 14956  
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<210> 14957  
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 <212> DNA  
 <213> Homo sapiens

<400> 14957						
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 <211> 741  
 <212> DNA  
 <213> Homo sapiens

<400> 14958						
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gagaagctga	aacagaaccg	catgagggaa	agaggaaagt	ggaatctctg	tggcccatct	660
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tcagcagaga	ctctatgaat	a				741

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<212> DNA  
<213> Homo sapiens

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 ggcaagaaaa ggagatacag tggagacatc tggaaagttt tctccactgg aaaactgcta 180  
 ctatctgttt ttatatcttct gttaaaatat atgaggctac agaactaaaa attaaaacct 240  
 ctttgtgtcc cttggctcctg gaacattttat gttcctttta aagaaacaaa aatcaaactt 300  
 tacagaaaga tttgatgtat gtaatacata tagcagctct tgaagtatat atatcatagc 360  
 aaataagtca tctgatgaga acaagctatt tgggcacaa acatcaggca aagagagcac 420  
 cacgtgatgg agtttctcca gaagctccag tgataagaga tgttgactct aaagttgatt 480  
 taaggccagg catggtggtt tacgcctata atcccagcat tttgggagtc cgaggtgggc 540  
 agatcacttg agctcaggag gtcaagatca gacctgggcaa catggtgaaa cttgtctcta 600  
 cataaaatac aaaaacttag atgggcatgg tgggtgtgtgc ctatagtcct actacttggt 660  
 gggctaaggc aggaggatca cttgagcccc ggagggtcgag gctacagtga gccaaagagt 720  
 cactactgta ctccagccag 740

<210> 14960  
<211> 739  
<212> DNA  
<213> Homo sapiens

<400> 14960  
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 agactacgga cctgtctggg tctcagccgc caaagacccc gtccggtagg tgagtggctc 180  
 actttgaggg caagccttct cggatcgagg cttcttcatg gccgctcaga tctgtgagcg 240  
 ccggggctgc tctcttttgc gaggatggcg tctaatgagc gcagttgatt cgaggaagta 300  
 ctagccggac atcatgagtg gctgtcgggt attcatcggg agactaaatc cagcggccag 360  
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 aagaggcttt ggttttgttg aatttgagga tccaagggat gcagatgatg ctgtgtatga 480  
 gcttgatgga aaagaactct gtagtgaaag ggttactatt gaacatgcta gggctcggtc 540  
 acgaggtgga agaggtagag gacgatactc tgaccgtttt agtagtcgca gacctcgaaa 600  
 tgatagacga aatgsyscna cctgtaagaa cagaaaatcg tcttatagtt gagaatttat 660  
 cctcaagagt cagctggcag gtttgttgaa atacagtttt gagttatttt gatgtggcct 720  
 tttaaaaaag ttaatgggt 739

<210> 14961  
<211> 732  
<212> DNA  
<213> Homo sapiens

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 aggtagtatc tcatccatgg aagtgaatgt ggacacactg gagcaagtag aacttattga 300  
 ccttggggac ccggatgcag cagatgtgtt cttgccttgc gaagatcctc caccaacccc 360  
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gactgaccac gctggctatt ctccacatga gaccackagc ccamknnaga gcctgtcggg 660  
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<210> 14962  
 <211> 702  
 <212> DNA  
 <213> Homo sapiens

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 gagcagtggg actcggatga gccatccct gcgaaggagc tagagcgagg tgtggcgggg 180  
 gcccacggcc tgctctgect cctctccgcc acgtggacaa gaggatcctg gatgctgcag 240  
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<210> 14963  
 <211> 692  
 <212> DNA  
 <213> Homo sapiens

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 ttccagctgt ttgaccgaac aggtgatggc aagatcctgt acagccagtg tggggatgtg 180  
 atgagggccc tgggccagaa ccctaccaac gccagaggtgc tcaaggctct ggggaacccc 240  
 aagagtgatg agatgaatgt gaaggtgctg gactttgagc actttctgcc catgctgcag 300  
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 tttgacaagg aaggaaatgg caccgtcatg ggtgctgaaa tccggcatgt tcttgtcaca 420  
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 ccagtctccc cagagtcctg gcctttccct gtgtgaattt tgtatctagc ctaaagtctc 600  
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<210> 14964  
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 <212> DNA  
 <213> Homo sapiens

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 gccaggtacg gcccttctt gatgcagaaa atggttgtt gcggggccaa gtgttgccgg 180  
 gacgcacctc acgtcgagaa tggggaggag gagactrcaa ggataggccc aggagtaatg 240  
 gagtccaaag agaacgagcg ttaaacaatc tcatcgtgga aaatgtcaac caggaaaatg 300  
 atgaaaaaga tgaaggag caagtwgcta ataaagggga gcccttggcc ctacctttgr 360

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atgagttttg	cnwatgccc	tgaatcctga	tggtttccct	aaagttatta	cggaaamagm	660
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<400> 14965						60
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 <211> 683  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

<400> 14969						
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<210> 14970  
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 <212> DNA  
 <213> Homo sapiens

<400> 14970						
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&lt;210&gt; 14971

&lt;211&gt; 646

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14971

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&lt;210&gt; 14972

&lt;211&gt; 645

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14972

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&lt;210&gt; 14973

&lt;211&gt; 639

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14973

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004220" 666E660

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<212> DNA  
<213> Homo sapiens

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<210> 14975  
<211> 631  
<212> DNA  
<213> Homo sapiens

<400> 14975						60
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<210> 14976  
<211> 629  
<212> DNA  
<213> Homo sapiens

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00513999.02400

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<210> 14977  
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<212> DNA  
<213> Homo sapiens

<400> 14977						60
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<210> 14978  
<211> 616  
<212> DNA  
<213> Homo sapiens

<400> 14978						60
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tagtgataca	gagcgagatg	gactagcccc	cagaaaagac	atcaccagat	agagataaga	240
aaaaagagca	gtcagaagta	tctgtttctc	ctagagcttc	aaaacatcat	tattcaagat	300
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<210> 14979  
<211> 597  
<212> DNA  
<213> Homo sapiens

<400> 14979						60
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ttgatatcat	gtccctgaaa	cgaatgctgg	agaaacttgg	agtccccaag	actcacctag	300
agctaaagaa	attaattgga	gaggtgtcca	gtggctccgg	ggagacgttc	agctaccctg	360
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tatggaaaca	gaagacaaaa	ttgtaagcca	gagtcaacaa	attaaataaa	ttacccc	597

<210> 14980  
 <211> 593  
 <212> DNA  
 <213> Homo sapiens

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tagtttttgg	ggaagcnaag	atcgaagatt	tatcccagca	agcacaacta	gcagctgctg	593
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<210> 14981  
 <211> 585  
 <212> DNA  
 <213> Homo sapiens

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agcctaaaagt	ttccctaggc	tttcttgtct	cagcaacttt	cccatcttgt	ctctcttggg	585
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<210> 14982  
 <211> 585  
 <212> DNA  
 <213> Homo sapiens

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&lt;210&gt; 14983

&lt;211&gt; 576

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 14984

&lt;211&gt; 575

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 14984						60
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&lt;210&gt; 14985

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 14986

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 <213> Homo sapiens

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 acaccgct 129

<210> 14987  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 14987  
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 taccttcaca gacgtctagv 140

<210> 14988  
 <211> 82  
 <212> DNA  
 <213> Homo sapiens

<400> 14988  
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 ctcaccaymc aggaacagg ct 82

<210> 14989  
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 <212> DNA  
 <213> Homo sapiens

<400> 14989  
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 atctgtctgc ctgctgagaa acatggctcag caagtcccgc tggaagctcc tggccatgtt 180  
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<210> 14990  
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 <212> DNA  
 <213> Homo sapiens

<400> 14990  
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 cgggttcaag caattctctt gcctcagcct cctgagtagc tgggattaca tgcacccgcc 180  
 ccacc 185

<210> 14991  
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 <212> DNA  
 <213> Homo sapiens

004220 "032400  
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001220"666T560

<400> 14991  
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gcgcagctcc gggggga 76

<210> 14992  
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<212> DNA  
<213> Homo sapiens

<400> 14992  
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tccaagcaga tggttggtgt gacactatca acacccgagc c 161

<210> 14993  
<211> 100  
<212> DNA  
<213> Homo sapiens

<400> 14993  
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aatgtattga atcatcaaat aaaagaatgt ggctattttg 100

<210> 14994  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 14994  
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<210> 14996  
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<212> DNA  
<213> Homo sapiens

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tttgccttat gacaaacat 139

<210> 14997  
<211> 94  
<212> DNA

004220" 666T560

<213> Homo sapiens

<400> 14997  
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<210> 14998

<211> 91

<212> DNA

<213> Homo sapiens

<400> 14998  
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<210> 14999

<211> 109

<212> DNA

<213> Homo sapiens

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<210> 15000

<211> 73

<212> DNA

<213> Homo sapiens

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ctagtacagt gtt 73

<210> 15001

<211> 123

<212> DNA

<213> Homo sapiens

<400> 15001  
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<210> 15002

<211> 102

<212> DNA

<213> Homo sapiens

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<210> 15003

<211> 88

<212> DNA  
<213> Homo sapiens

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tagttaaagt caaaatagaa atacagcc 88

<210> 15004  
<211> 66  
<212> DNA  
<213> Homo sapiens

<400> 15004  
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caaccg 66

<210> 15005  
<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 15005  
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ctagcaacag ccc 73

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ccttcccttt taagtgcagg acatttacta agtacttcct ctgcgccagt ctccacggaa 180  
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<212> DNA  
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<400> 15007  
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tctcttctaa aggcacagt aggggttttt ttcttcctgt acagccttcg atctggctct 180  
gacatccaag actacttcct cactggctat gtctggagtg ctgtcacccc tagcccagag 240  
cacctcgggg atgaggtcaa cctgaagggt actgtgttgt gtgacaggct tcaagaggca 300  
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<212> DNA  
<213> Homo sapiens

004220" 666E7560

<400> 15008  
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 aatctaggaa atgctgcctt agaaacagct tctgtttgac ggtccatat gtttgcaaga 120  
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<210> 15009  
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 agaagagcc 129

<210> 15010  
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 <212> DNA  
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 aaaacaaaac aaaacaaaac aaaacaaaac aaaacaataa aatttaccac ccctaccagt 180  
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145

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<400> 15014  
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<210> 15015  
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 cagtttagct tggggataac tttcaggcgg tcttctttgg tgataatttt gaatatgtgg 180  
 ttgcctcctg ctggtcaatc ctgtggtctc ctcagtttat ggtgttttgt gtttcaaaga 240  
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 aaaaaataga aggcaac 317

<210> 15016  
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 <212> DNA  
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<400> 15016  
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 atcctttcga atcccagccc tggggcgctca gcytgcaggg aatggcagag acactctccg 180  
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<210> 15020  
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 aattatttcc taaattttct ttggaaaatt tcatttcaaa taccaaaacc atcctaa 117

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 ccagcctggc aacagaacga cactccaccc 150

<210> 15022  
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 <212> DNA  
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<400> 15022  
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 gcggaggcgg gaggatcact tgcacccagg agttcgatac cagcttgga 109

<210> 15023  
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 <213> Homo sapiens

<400> 15023  
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 agattaagta gagcat 136

<210> 15024  
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 <212> DNA  
 <213> Homo sapiens

<400> 15024  
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 aaactctgcg tattgggaag gcctggcctc agtcatcagg ccaggagagg tactggacgc 120  
 cgctgc 126

004220" 6666F560

<210> 15025  
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<212> DNA  
<213> Homo sapiens

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atcagagaat actatagaca tcc 143

<210> 15026  
<211> 148  
<212> DNA  
<213> Homo sapiens

<400> 15026  
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cggtcgccta caacctccac ctcccagc 148

<210> 15027  
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<210> 15030  
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64

accc

<210> 15031  
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 tggtaaggg gactc 135

<210> 15032  
 <211> 78  
 <212> DNA  
 <213> Homo sapiens

<400> 15032  
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 ccatgaactc cggacaca 78

<210> 15033  
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<210> 15034  
 <211> 157  
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<400> 15034  
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 gaaagccaac caggcaaaaa atcaccatgt accaacc 157

<210> 15035  
 <211> 66  
 <212> DNA  
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<400> 15035  
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 ccggaa 66

<210> 15036  
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 <212> DNA  
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004220"6666T560

<400> 15036  
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atccggcct 129

<210> 15037  
<211> 80  
<212> DNA  
<213> Homo sapiens

<400> 15037  
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tctattctta tagtcccgcc 80

<210> 15038  
<211> 159  
<212> DNA  
<213> Homo sapiens

<400> 15038  
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attttctaga atcccttcag ttttagctac caacggcaa 159

<210> 15039  
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<212> DNA  
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<400> 15039  
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<210> 15040  
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<212> DNA  
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tgagagaa 68

<210> 15041  
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<212> DNA  
<213> Homo sapiens

<400> 15041  
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<210> 15042  
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<212> DNA  
<213> Homo sapiens

004220" 666EFS60

<400> 15042  
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cca 123

<210> 15043  
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<212> DNA  
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<400> 15043  
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<210> 15044  
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<212> DNA  
<213> Homo sapiens

<400> 15044  
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gagtgcagta gcacaatcat ggctcactgc aacctctgcc tcttggggcc aggtgatcat 120  
cccaccca 128

<210> 15045  
<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 15045  
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<210> 15046  
<211> 70  
<212> DNA  
<213> Homo sapiens

<400> 15046  
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tgcttgacct 70

<210> 15047  
<211> 50  
<212> DNA  
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<400> 15047  
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<210> 15048  
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<212> DNA  
<213> Homo sapiens

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<210> 15049  
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<210> 15050  
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 tattttccca gggaa 135

<210> 15051  
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 <212> DNA  
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 tgagagaa 68

<210> 15052  
 <211> 88  
 <212> DNA  
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<400> 15052  
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 <212> DNA  
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 acaaatgtgt ttcataaac tacctaaatc t 91

<210> 15054  
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<212> DNA  
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<400> 15054  
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aaaaagtttt aggactggtc ttcctcaaag agctcagcag acc 103

<210> 15055  
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<212> DNA  
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cattgggagt gagatttcaa catgagtttt gaaggggaca aatattcaaa ctgtatcagc 120  
cca 123

<210> 15056  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 15056  
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attgaacaaa ctcatccaag aatttacgaa gcacgactaa 160

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<212> DNA  
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<210> 15058  
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<210> 15059  
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<212> DNA  
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<210> 15060  
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 <212> DNA  
 <213> Homo sapiens

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 gcctgacct 69

<210> 15062  
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 <212> DNA  
 <213> Homo sapiens

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<210> 15063  
 <211> 104  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 ttacagcaca tatcagttca cactagctgt ttttcaagt ctcattagcc atatgtcact 180  
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 tacaggggaa a 251

<210> 15065  
 <211> 72  
 <212> DNA  
 <213> Homo sapiens

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72

gacccccggg ac

<210> 15066  
 <211> 56  
 <212> DNA  
 <213> Homo sapiens

<400> 15066  
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<210> 15067  
 <211> 153  
 <212> DNA  
 <213> Homo sapiens

<400> 15067  
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 acttaatctc tttatatctt tactcaatag gga 153

<210> 15068  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 15068  
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 ttttttt 127

<210> 15069  
 <211> 68  
 <212> DNA  
 <213> Homo sapiens

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 tgagagaa 68

<210> 15070  
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<400> 15070  
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<210> 15071  
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 <212> DNA  
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<400> 15071  
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 gggacccgct gcgcgattga cacaggc 147

<210> 15072  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 aaccaa 126

<210> 15074  
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 <212> DNA  
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<210> 15075  
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 <212> DNA  
 <213> Homo sapiens

<400> 15075  
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 tcggctcgct acaacctcca cctcccagc 149

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 <212> DNA  
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 acaaagtga 129

<210> 15077  
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<212> DNA  
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<400> 15077  
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<210> 15078  
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<212> DNA  
<213> Homo sapiens

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cca 123

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<212> DNA  
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cca 123

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aaaaggaagt 70

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gagg 184

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ggaggctcg 69

<210> 15084  
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<212> DNA  
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attatatttg atgatccact ascaatttca tacagtcagc cagagaaggt gaatggagag 180  
tccaagagca gcagtaccag cgagaatggg gaca 214

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<213> Homo sapiens

<400> 15085  
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tgagtgtgtg tgagcgcgca 80

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<212> DNA  
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<400> 15086  
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caag 64

<210> 15087  
<211> 93  
<212> DNA  
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<212> DNA  
<213> Homo sapiens

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<400> 15088  
acgggtggct ggggtggctgg ctggatggac gagtggatgg atggatgaat ggatagatgg 60  
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<212> DNA  
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gtragtrtgt gtaascgcgc a 81

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<212> DNA  
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cgacgcc 67

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<212> DNA  
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<400> 15091  
agattaacat ttggtgtgtc agacaagaag agtggtgtaa aaaggtcaga ggggtatt 57

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<400> 15092  
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<212> DNA  
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ccaaagtgtc gggattatag gcatggagcc gccacacca gccaatgtgc cgaagt 56

<210> 15094  
<211> 296  
<212> DNA  
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<400> 15094  
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 gtaggagttt tacgacttag aaaagcgggc tgcagattcc ttctgggtg ttggttcaa 180  
 gccttggctc cactcactc tcagtcttcc cgggagttcg tgggatttgg accttagatt 240  
 attagtatta ttttgagggc ctctgtgtg taagcactgg ttgtgcgcag atggct 296

<210> 15095  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 15095  
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 cactcacaca gttgactatc tgaatcattt ttaagtatac attcagtagt gttaagtatg 120  
 tcgccattgt tgtacaacca aa 142

<210> 15096  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<400> 15096  
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 agccttcctt aaggcggatg ggtggccccc gagaccccg cggacccatg gttccagtg 120  
 cagc 124

<210> 15097  
 <211> 95  
 <212> DNA  
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 attccaccac aaaagaagtg aaaatgacac tgcaa 95

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<400> 15098  
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 aagtggcatg tcaatacaat gcatttttgg aagggaa 97

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 <211> 123  
 <212> DNA  
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<400> 15099  
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 cattgggagt gagatttcaa catgagntt gaaggggaca aatattcaaa ctgtatcagc 120  
 cca 123

<210> 15100

<211> 97  
<212> DNA  
<213> Homo sapiens

<400> 15100  
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ctttctcttg gttgctctca ccatgtgata caccggc 97

<210> 15101  
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<212> DNA  
<213> Homo sapiens

<400> 15101  
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tgtgctgtta aacagtaacg gcc 83

<210> 15102  
<211> 79  
<212> DNA  
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<400> 15102  
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gggttccgga gatcccggc 79

<210> 15103  
<211> 57  
<212> DNA  
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<400> 15103  
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<210> 15104  
<211> 60  
<212> DNA  
<213> Homo sapiens

<400> 15104  
taggtgacag atcgagactc catcacacac acacaaaaag agtaataact cagtgcccc 60

<210> 15105  
<211> 111  
<212> DNA  
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<400> 15105  
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<210> 15106  
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<212> DNA

<213> Homo sapiens

<400> 15106  
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<210> 15107  
<211> 68  
<212> DNA  
<213> Homo sapiens

<400> 15107  
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acaaaaat 68

<210> 15108  
<211> 53  
<212> DNA  
<213> Homo sapiens

<400> 15108  
tgaggtcggg agttcaagac cagcctgaca aacatggaga aacccccggc cat 53

<210> 15109  
<211> 124  
<212> DNA  
<213> Homo sapiens

<400> 15109  
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akwc 124

<210> 15110  
<211> 164  
<212> DNA  
<213> Homo sapiens

<400> 15110  
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gtttcattaa caaatttkta ttatttkkat tctattatat gagatccttt tatattatca 120  
tctcactttt aaacaaaatt aactggaaaa atattacatg gaac 164

<210> 15111  
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<400> 15111  
tatttgaatt gaatttatat tttttttggt cccttatttt aaaataccca agc 53

<210> 15112  
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<212> DNA  
<213> Homo sapiens





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<213> Homo sapiens

<400> 15118  
ctttgggagg ccgaggtgga tggatcaciaa ggtcaggagt ttgagaccag cctggccaac 60  
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<210> 15119

<211> 113

<212> DNA

<213> Homo sapiens

<400> 15119  
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<210> 15120

<211> 104

<212> DNA

<213> Homo sapiens

<400> 15120  
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atgctgtcca tgcagaaata ttttaaagaa aattaccgac tacc 104

<210> 15121

<211> 121

<212> DNA

<213> Homo sapiens

<400> 15121  
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<210> 15122

<211> 115

<212> DNA

<213> Homo sapiens

<400> 15122  
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tctctcttgt cttatgttca ttttagccat agacttgact ggagtttaga gggaa 115

<210> 15123

<211> 203

<212> DNA

<213> Homo sapiens

<400> 15123  
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gtaccgtagt tttcctctct tctgcctgag gtgaccattg ggctgtaggg tgccccgagg 120  
cctccctggc cccctcacgc cggcagaatg gcctcagccc gaggggcca gacgtcttcg 180  
ccccgggtgg ggaccaccgc aaa 203

<210> 15124  
 <211> 51  
 <212> DNA  
 <213> Homo sapiens

<400> 15124  
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<210> 15125  
 <211> 204  
 <212> DNA  
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<400> 15125  
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 gtaactggaa gagaactaac tttggcttat tcatattctg ttcaaagaca gtctatTTTT 180  
 tcactgtaga aagcgtcctt gtgt 204

<210> 15126  
 <211> 73  
 <212> DNA  
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 gctatctggg gca 73

<210> 15127  
 <211> 69  
 <212> DNA  
 <213> Homo sapiens

<400> 15127  
 atttaaaaac atttgaatta aaaattgcc tctctctttg catacagtaa aacaataact 60  
 tctggcaaa 69

<210> 15128  
 <211> 83  
 <212> DNA  
 <213> Homo sapiens

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 gtgagcggga gcraaggcac cgc 83

<210> 15129  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 15129  
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 gtgaatgtct tgagaattga atgggcttga ggtatgcaga aaatatggaa aactactgag 120

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162

<210> 15130  
<211> 61  
<212> DNA  
<213> Homo sapiens

<400> 15130  
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a 61

<210> 15131  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 15131  
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cgctaggtgc tgtagcctct ccattcagag cactgtctcc cgtaagggtg ccatgagccc 120  
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ctc 183

<210> 15132  
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<212> DNA  
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<400> 15132  
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<210> 15133  
<211> 55  
<212> DNA  
<213> Homo sapiens

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<210> 15134  
<211> 99  
<212> DNA  
<213> Homo sapiens

<400> 15134  
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aacttcactg cggtagagca gggaccccag acctcccca 99

<210> 15135  
<211> 71  
<212> DNA  
<213> Homo sapiens

<400> 15135  
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tttgtggaga c

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<211> 241
<212> DNA
<213> Homo sapiens
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atccttatta	agggtgctca	gaagcccaag	ctcgaagccc	ctgggtttga	ggcgtctttg
gattctgcc	ccctgtatgt	ggggagagca	gaagctaaag	gggaaagga	gttacagagc
c					241

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<210> 15137
<211> 91
<212> DNA
<213> Homo sapiens
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<400> 15137  
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 aggagaattt tctgcagatc atagagcatc a 91

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<210> 15138
<211> 208
<212> DNA
<213> Homo sapiens
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ttcttgggag gctgaggcag      caacagaggg aggctccgtc      120
cgagatggca ccactgcact ccaggctggc      ctttgggagg      180
ataaaatagg ttactttagt tgggtgtggc tcatgcctgt ggtccacca      208
ccgaggcagg tgaatcacc      gggtcagg
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<211> 78
<212> DNA
<213> Homo sapiens
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attgaaaccc gcacgcgg
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<210> 15140
<211> 126
<212> DNA
<213> Homo sapiens
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      126
ggcgcc
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<210> 15141

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<212> DNA  
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ccctggcaat a 131

<210> 15142  
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<212> DNA  
<213> Homo sapiens

<400> 15142  
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<210> 15143  
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<212> DNA  
<213> Homo sapiens

<400> 15143  
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aaagtaatac aaaaaacaaa ttataaactg gaattgtgtc aattgagttg acatatttct 120  
tgcaagatga ttatatttat ataggaaaat gtttgaaag tct 163

<210> 15144  
<211> 72  
<212> DNA  
<213> Homo sapiens

<400> 15144  
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gcattttttt tt 72

<210> 15145  
<211> 64  
<212> DNA  
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<400> 15145  
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catc 64

<210> 15146  
<211> 89  
<212> DNA  
<213> Homo sapiens

<400> 15146  
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ttttaagat tattttaag tcaggtaga 89

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<210> 15147  
 <211> 94  
 <212> DNA  
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 cattgaacac ctgtggagat taaggacgag gacc 94

<210> 15148  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

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 cagcctgggt gacaagagcg agactccgtc tcaaaaaaca aaacaaaagc aaagttgact 180  
 ctggcctggg acccagaaaa ctctgtcagc cagatatctt ctggccccct aggtggacag 240  
 ccagacg 247

<210> 15149  
 <211> 83  
 <212> DNA  
 <213> Homo sapiens

<400> 15149  
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 aggtagggtc aggccaggc act 83

<210> 15150  
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 <212> DNA  
 <213> Homo sapiens

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 gggacagcgc gcac 74

<210> 15151  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

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 gcg 63

<210> 15152  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<400> 15152

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cca 63

<210> 15153  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 15153  
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aatctctgat ctgaagggg cctgcctccg ggccakya 98

<210> 15154  
<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 15154  
aatttgaaat aaattagtga tttatattgt aagtacatta aatatgatac tatattaatt 60  
atattggatt tatttgcac acatgaaatg ttttatagga caatat 106

<210> 15155  
<211> 61  
<212> DNA  
<213> Homo sapiens

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t 61

<210> 15156  
<211> 90  
<212> DNA  
<213> Homo sapiens

<400> 15156  
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gcatgacggg aggacaaaat gcgacgctac 90

<210> 15157  
<211> 74  
<212> DNA  
<213> Homo sapiens

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atatgagcaa ccaa 74

<210> 15158  
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<212> DNA  
<213> Homo sapiens

<400> 15158



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cgggataa 68

<210> 15159  
<211> 88  
<212> DNA  
<213> Homo sapiens

<400> 15159 60  
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taggagtgtc aaaatttgtg atatggaa

<210> 15160  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 15160 60  
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<210> 15161  
<211> 62  
<212> DNA  
<213> Homo sapiens

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<210> 15162  
<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 15162 54  
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<210> 15163  
<211> 75  
<212> DNA  
<213> Homo sapiens

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 tgatcgattc tggcacttgt agcataaatt acacgctctt tcatcattga aagagtgtca 180  
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004220-666E560

<400> 15170  
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 ccaa 64

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 tcgggggtggg ggacgccccg ccttccttgc agcccgggat ggcaaggggc gacgaagagg 180  
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 tcctaggtc aagcagtctt ccacttcag cctctcaaag tgctgtaatt acaggcatga 180  
 accaccaac 189

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<210> 15176  
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<212> DNA  
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ttcgtatattt agaacggccc gcagtcaggc gcccga 96

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aactatccta aatatatatg caccaatac aggagcacc agattcataa agcaagccct 120  
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gaaaagaagg cccgca 76

<210> 15179  
<211> 94  
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gtgccagata atataggtca cctgaaggac agcc 94

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tc 62

<210> 15181  
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caggacacat gacc 74

<210> 15182

<211> 94  
 <212> DNA  
 <213> Homo sapiens

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<210> 15183  
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 ttgaacttga actcctgggc tcaatcaatc ctcccacttt ggctttccaa gtagctggga 180  
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 ga 242

<210> 15186  
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 <212> DNA  
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<210> 15187  
 <211> 65  
 <212> DNA  
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<400> 15187  
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aagcc

65

<210> 15188  
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<400> 15188  
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 aaggggtgta ggaagagggg ta 82

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tacaccgcaa 70

<210> 15195  
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ccgaggcggg cggatcgcca ggtcgggagt tcgaggccgg cctggccgt 109

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<212> DNA  
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aggaaactcg tcttccagca 80

<210> 15197  
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<212> DNA  
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<400> 15197  
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<210> 15198  
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<212> DNA  
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<210> 15199  
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<212> DNA  
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gtccccctgg ccaccgcggg ggtcgcggcc tcccattaca tagcacgag

109

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<400> 15200  
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cacctcgtga aattgcctaa tgaaacattt cttagaacat atttctgtcc ttaagtgatg 180  
cgtgactgt 189

<210> 15201  
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<212> DNA  
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<210> 15202  
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<212> DNA  
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<210> 15203  
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<212> DNA  
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<400> 15203  
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<210> 15204  
<211> 82  
<212> DNA  
<213> Homo sapiens

<400> 15204  
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tgcaagttag tctgcctcc at 82

<210> 15205  
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<212> DNA  
<213> Homo sapiens

<400> 15205  
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caaataacag cagcta 76

0011220-1566E1560



<210> 15206  
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<210> 15207  
 <211> 303  
 <212> DNA  
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 cctcggttga caaaatgctt ccggttgaga tgatatcagg ctgctgggtcg gtgtaaccgg 240  
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 aac 303

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 cctg 124

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 <211> 176  
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 <213> Homo sapiens

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 agagaacaaa tgcagaacta taatctoctg ggaggaaaat attattaatt tcattgaaaa 120  
 tattaggttt gaaggggat tctcattcct caggaacca aacagagcag tcaagt 176

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<210> 15211  
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 <212> DNA  
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gggcaggcgg cagggatgtc ggcgaaggag aggccaaagg gca 103

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tgtggctgaa tgcctcaggg gagagattag aaaggrscat attactaaaa cctagtctca 240  
tgctttcaga gtcaaaagct tcaatctctc tggcttgacg ttccaacagg cttcgtatcc 300  
gttctgtgcg ctcataattg aatagctcag atcattcagc cattcaactg gtctacattg 360  
agcacatact atttgccttg t 381

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gaatatcttt ttaacacaaa ggccgctt 88

<210> 15214  
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<210> 15216  
<211> 143  
<212> DNA  
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aagtcctctg agaaccccat aga 143

<210> 15217  
 <211> 76  
 <212> DNA  
 <213> Homo sapiens

<400> 15217  
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<210> 15218  
 <211> 61  
 <212> DNA  
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<210> 15219  
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 <212> DNA  
 <213> Homo sapiens

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 aaggaaaaaa aaaaaa 76

<210> 15220  
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 <212> DNA  
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<210> 15221  
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 ggacaaaccc c 71

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 <213> Homo sapiens

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<210> 15223  
<211> 72  
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cacccaagac aa 72

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ttactgagat caagaaagaa ctgacatcg 89

<210> 15225  
<211> 111  
<212> DNA  
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agtgaacctg tggccgttgg tagctctgtt ggcggcttga tggaggatcg a 111

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cgggccctga ggagtccttg ttctaagatt accctggca 99

<210> 15227  
<211> 64  
<212> DNA  
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<400> 15227  
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acaa 64

<210> 15228  
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<212> DNA  
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<210> 15229  
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 tgagccagcc tgt 73

<210> 15230  
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 agttgatgac tgt 73

<210> 15231  
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 <212> DNA  
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 atagccacat aa 132

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<210> 15234  
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 <212> DNA  
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 gtac 64

<210> 15235  
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 gc 62

<210> 15236  
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 <212> DNA  
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 <212> DNA  
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<400> 15238  
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 ccaggcgt 128

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 gt 62

<210> 15240  
 <211> 51  
 <212> DNA  
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<400> 15240  
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<210> 15241

004220" 6662F560

<211> 60  
<212> DNA  
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tggcatggat gtatacggag gagtga 86

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<212> DNA  
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<210> 15244  
<211> 66  
<212> DNA  
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<210> 15245  
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<212> DNA  
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1. Содержание

2. Введение

3. Глава I

4. Глава II

5. Глава III

6. Глава IV

7. Глава V

8. Глава VI

9. Глава VII

10. Глава VIII

11. Глава IX

12. Глава X

13. Глава XI

14. Глава XII

15. Глава XIII

16. Глава XIV

17. Глава XV

18. Глава XVI

19. Глава XVII

20. Глава XVIII

21. Глава XIX

22. Глава XX

23. Глава XXI

24. Глава XXII

25. Глава XXIII

26. Глава XXIV

27. Глава XXV

28. Глава XXVI

29. Глава XXVII

30. Глава XXVIII

31. Глава XXIX

32. Глава XXX

33. Глава XXXI

34. Глава XXXII

35. Глава XXXIII

36. Глава XXXIV

37. Глава XXXV

38. Глава XXXVI

39. Глава XXXVII

40. Глава XXXVIII

41. Глава XXXIX

42. Глава XL

43. Глава XLI

44. Глава XLII

45. Глава XLIII

46. Глава XLIV

47. Глава XLV

48. Глава XLVI

49. Глава XLVII

50. Глава XLVIII

51. Глава XLIX

52. Глава L

53. Глава LI

54. Глава LII

55. Глава LIII

56. Глава LIV

57. Глава LV

58. Глава LVI

59. Глава LVII

60. Глава LVIII

61. Глава LIX

62. Глава LX

63. Глава LXI

64. Глава LXII

65. Глава LXIII

66. Глава LXIV

67. Глава LXV

68. Глава LXVI

69. Глава LXVII

70. Глава LXVIII

71. Глава LXIX

72. Глава LXX

73. Глава LXXI

74. Глава LXXII

75. Глава LXXIII

76. Глава LXXIV

77. Глава LXXV

78. Глава LXXVI

79. Глава LXXVII

80. Глава LXXVIII

81. Глава LXXIX

82. Глава LXXX

83. Глава LXXXI

84. Глава LXXXII

85. Глава LXXXIII

86. Глава LXXXIV

87. Глава LXXXV

88. Глава LXXXVI

89. Глава LXXXVII

90. Глава LXXXVIII

91. Глава LXXXIX

92. Глава LXXXX

93. Глава LXXXXI

94. Глава LXXXXII

95. Глава LXXXXIII

96. Глава LXXXXIV

97. Глава LXXXXV

98. Глава LXXXXVI

99. Глава LXXXXVII

100. Глава LXXXXVIII

101. Глава LXXXXIX

102. Глава LXXXXX

103. Глава LXXXXXI

104. Глава LXXXXXII

105. Глава LXXXXXIII

106. Глава LXXXXXIV

107. Глава LXXXXXV

108. Глава LXXXXXVI

109. Глава LXXXXXVII

110. Глава LXXXXXVIII

111. Глава LXXXXXIX

112. Глава LXXXXXX

113. Глава LXXXXXXI

114. Глава LXXXXXXII

115. Глава LXXXXXXIII

116. Глава LXXXXXXIV

117. Глава LXXXXXXV

118. Глава LXXXXXXVI

119. Глава LXXXXXXVII

120. Глава LXXXXXXVIII

121. Глава LXXXXXXIX

122. Глава LXXXXXXX

123. Глава LXXXXXXXI

124. Глава LXXXXXXXII

125. Глава LXXXXXXXIII

126. Глава LXXXXXXXIV

127. Глава LXXXXXXXV

128. Глава LXXXXXXXVI

129. Глава LXXXXXXXVII

130. Глава LXXXXXXXVIII

131. Глава LXXXXXXXIX

132. Глава LXXXXXXXX

133. Глава LXXXXXXXXI

134. Глава LXXXXXXXII

135. Глава LXXXXXXXIII

136. Глава LXXXXXXXIV

137. Глава LXXXXXXXV

138. Глава LXXXXXXXVI

139. Глава LXXXXXXXVII

140. Глава LXXXXXXXVIII

141. Глава LXXXXXXXIX

142. Глава LXXXXXXXX

143. Глава LXXXXXXXXI

144. Глава LXXXXXXXII

145. Глава LXXXXXXXIII

146. Глава LXXXXXXXIV

147. Глава LXXXXXXXV

148. Глава LXXXXXXXVI

149. Глава LXXXXXXXVII

150. Глава LXXXXXXXVIII

151. Глава LXXXXXXXIX

152. Глава LXXXXXXXX

153. Глава LXXXXXXXXI

154. Глава LXXXXXXXII

155. Глава LXXXXXXXIII

156. Глава LXXXXXXXIV

157. Глава LXXXXXXXV

158. Глава LXXXXXXXVI

159. Глава LXXXXXXXVII

160. Глава LXXXXXXXVIII

161. Глава LXXXXXXXIX

162. Глава LXXXXXXXX

163. Глава LXXXXXXXXI

164. Глава LXXXXXXXII

165. Глава LXXXXXXXIII

166. Глава LXXXXXXXIV

167. Глава LXXXXXXXV

168. Глава LXXXXXXXVI

169. Глава LXXXXXXXVII

170. Глава LXXXXXXXVIII

171. Глава LXXXXXXXIX

172. Глава LXXXXXXXX

173. Глава LXXXXXXXXI

174. Глава LXXXXXXXII

175. Глава LXXXXXXXIII

176. Глава LXXXXXXXIV

177. Глава LXXXXXXXV

178. Глава LXXXXXXXVI

179. Глава LXXXXXXXVII

180. Глава LXXXXXXXVIII

181. Глава LXXXXXXXIX

182. Глава LXXXXXXXX

183. Глава LXXXXXXXXI

184. Глава LXXXXXXXII

185. Глава LXXXXXXXIII

186. Глава LXXXXXXXIV

187. Глава LXXXXXXXV

188. Глава LXXXXXXXVI

189. Глава LXXXXXXXVII

190. Глава LXXXXXXXVIII

191. Глава LXXXXXXXIX

192. Глава LXXXXXXXX

193. Глава LXXXXXXXXI

194. Глава LXXXXXXXII

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198. Глава LXXXXXXXVI

199. Глава LXXXXXXXVII

200. Глава LXXXXXXXVIII

201. Глава LXXXXXXXIX

202. Глава LXXXXXXXX

203. Глава LXXXXXXXXI

204. Глава LXXXXXXXII

205. Глава LXXXXXXXIII

206. Глава LXXXXXXXIV

207. Глава LXXXXXXXV

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209. Глава LXXXXXXXVII

210. Глава LXXXXXXXVIII

211. Глава LXXXXXXXIX

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213. Глава LXXXXXXXXI

214. Глава LXXXXXXXII

215. Глава LXXXXXXXIII

216. Глава LXXXXXXXIV

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 ggcttggtg aatgactgaa ttaatagtac atgtacaggg cttacgaaag cactcaaattg 180  
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cggtatcttc aaccacctcg agcggctt 88

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<400> 15312  
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gaacaaagct tccccagtgt ggaaggggac ccgagc 96

<210> 15313  
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<212> DNA  
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cacagccccc tgccctaaaa tcttctgttg gctt 94

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gttggggagg tcattgaagt cagtgattgc ttgaaaggct tcttctgcaa aacaacgagt 180  
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<210> 15315  
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cagagaagga tctccgaagt ccagtagcaa tagggaaaaa aaacttgagt gcagtagttt 180  
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gcaaaaccct gaaggctggg tgaagaaatt ccaagaaaag tttgcacact tgccgg 416

<210> 15316  
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<212> DNA  
<213> Homo sapiens

<400> 15316

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<210> 15317  
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<212> DNA  
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<400> 15317 56  
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<210> 15318  
<211> 61  
<212> DNA  
<213> Homo sapiens

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<210> 15319  
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<212> DNA  
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<210> 15321  
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<212> DNA  
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cccaaa

<210> 15322  
<211> 92  
<212> DNA  
<213> Homo sapiens

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92

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tgaactagac aataaaactaa ttgtwgtcta aaaacttctg gtatgcctgc tctccagcag 180  
ctggaacag atcttctctgc ctgacccak 209

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tctggtagta ttttgtctgt gaaactaaga ggctctagct gctattagaa gaggggaagga 120  
gtvaggatga gcttttgaaa aaaaaaaaaa aaaaa 155

<210> 15326  
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<212> DNA  
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acggctgtgc gtgtccttaa aagtccttg gat 93

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<212> DNA  
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<210> 15328  
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<212> DNA  
<213> Homo sapiens

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 ttggtcactg aagccatgtc tgctttaggg gccaccctaa gtcctaattct tctgtaggag 180  
 gcacca 186

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 cctctgcctc ccggttcaag cgattttcct gcctcaggct cccgagtagc tgggattaca 180  
 ggcgcccgcy rscacgcca gctaattttt tgtattttta gtaganacgt 230

<210> 15331  
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 tcggcgtccg ccgacg 76

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<210> 15333  
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<400> 15333  
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 atgatggttt ggggggaaat tactattaat ttgaaagact ctac 104

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<211> 65

<212> DNA

<213> Homo sapiens

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<210> 15336

<211> 209

<212> DNA

<213> Homo sapiens

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catctctact aaaaatacaa aaaaatgagc cgggcgtggt ggcgggagta ttagtccca 180  
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<210> 15337

<211> 71

<212> DNA

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<210> 15338

<211> 62

<212> DNA

<213> Homo sapiens

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<210> 15339

<211> 172

<212> DNA

<213> Homo sapiens

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<210> 15341  
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<210> 15342  
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 gccagatctc cctccctctc tctgtgcagt agctgtgtgt ccgagggtcag tgtgcggaat 300  
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<210> 15344  
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61

<210> 15346  
<211> 116  
<212> DNA  
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<400> 15346  
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116

<210> 15347  
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<400> 15347  
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gggagcgggc cg 72

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tgcttccca gtgcataaag tctctgtcgc tcccggaacc ca 60  
102

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<210> 15350  
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<212> DNA  
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tg 62

<210> 15353  
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<212> DNA  
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<212> DNA  
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tcctcagttc cgggtgtgc 78

<210> 15355  
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<212> DNA  
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<400> 15355  
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<210> 15356  
<211> 92  
<212> DNA  
<213> Homo sapiens

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gaagatttcc tctttattct ctcccgcct aa 92

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<212> DNA  
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004220" 656E1560

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<210> 15359  
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 <212> DNA  
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 cak 63

<210> 15360  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 gtccttcca 70

<210> 15362  
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 <212> DNA  
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 gacctgtcac tgctccccgc ata 143

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 <212> DNA  
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 tgccaaacac tc 72

<210> 15364  
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 <212> DNA  
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<400> 15364  
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<210> 15365  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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 aatgattct tctgcctcgg a 81

<210> 15367  
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 <212> DNA  
 <213> Homo sapiens

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 aattttgcgg gtgatctggc gcga 84

<210> 15368  
 <211> 212  
 <212> DNA  
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 cctgtggggc cccagcctcc tcgacgtgca cc 212

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 <211> 102  
 <212> DNA  
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<400> 15369  
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gataataagc acactgccag tratatggc tgaatctgcc cc

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<212> DNA  
<213> Homo sapiens

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agacgggtt 69

<210> 15371  
<211> 70  
<212> DNA  
<213> Homo sapiens

<400> 15371  
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catgggcaca 70

<210> 15372  
<211> 87  
<212> DNA  
<213> Homo sapiens

<400> 15372  
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atctcatcct ctcttggtg acccagt 87

<210> 15373  
<211> 70  
<212> DNA  
<213> Homo sapiens

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agaaggagca 70

<210> 15374  
<211> 159  
<212> DNA  
<213> Homo sapiens

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tcttccttct ttaggaaaat ataagaaaat tatcaggcc 159

<210> 15375  
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<212> DNA  
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ggccgcgggt gggcccagag cgcaagagga agatgaggac ac 102

<210> 15376  
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<212> DNA  
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atttccagag aaa 133

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<212> DNA  
<213> Homo sapiens

<400> 15377  
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gtgcatcccg gggacttggg agctctggaa agaggagcag gaaagggacc a 111

<210> 15378  
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<212> DNA  
<213> Homo sapiens

<400> 15378  
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ggggagtgca cggtcagcac ccgaa 145

<210> 15379  
<211> 51  
<212> DNA  
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<210> 15380  
<211> 65  
<212> DNA  
<213> Homo sapiens

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cccc 65

<210> 15381  
<211> 98  
<212> DNA  
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004220" 6666T560

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 gagccgagat cacgccactg cactccagcc tgggcgacag agcgagactc tgtctcaaaa 180  
 aaaaaaaaaa aa 192

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 <212> DNA  
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<210> 15409  
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 <211> 266  
 <212> DNA  
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 gcascgccc ccaagccgcc agaggaccgc c 91

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<210> 15415  
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 gaagagggac gg 72

<210> 15417

<211> 71  
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agaatttttg gttgcagagg aca 83

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accccccaat 69

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gggaagctct ttcacccccg ga 82

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 tcctgtctgt gactgatgtw atgcaatcta ctttttcatt ttatattgtg aacatttccc 180

203

catttcttta aattatcccc cac

&lt;210&gt; 15429

&lt;211&gt; 59

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15429

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&lt;210&gt; 15430

&lt;211&gt; 70

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15430

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gggcaggact 70

&lt;210&gt; 15431

&lt;211&gt; 88

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15431

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caagtgatcc ctctcgacc ctgagcgg 88

&lt;210&gt; 15432

&lt;211&gt; 142

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15432

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ccaatgtctc ctgaactaa ct 142

&lt;210&gt; 15433

&lt;211&gt; 67

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15433

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gccaatc 67

&lt;210&gt; 15434

&lt;211&gt; 63

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15434

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63

cac

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 tggccct 127

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004220" 666E1560

<213> Homo sapiens

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gatgagatga cccca 255

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 ttcctttggt aacagcacta ccacaactta ctgtgcatca gttcaatggt aaggactgac 180  
 ctaggcccat acattcattt ttgttaaatt tgagtttgaa aattacgagt tatattgcca 240  
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<400> 15451

0054399.022400

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tatcgaagg accacaaccc cgca 84

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<212> DNA  
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<211> 63  
<212> DNA  
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<210> 15455  
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 <212> DNA  
 <213> Homo sapiens

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 gtgaggggta gggagccgga agggatggaa aggcacacag ctctgagca tgaattaaac 240  
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 accctcggga atgcttccga gcacgccgcg cgcattctgta gtcccagcca cccgggaggc 360  
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<210> 15462  
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<400> 15462  
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<210> 15467  
 <211> 66  
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 gcccg 66

<210> 15468  
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 <212> DNA  
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 ttataaatat ttagtacgac cga 83

<210> 15469  
 <211> 58  
 <212> DNA  
 <213> Homo sapiens

<400> 15469  
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 <211> 65  
 <212> DNA  
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<400> 15470  
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 agccg 65

<210> 15471  
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<400> 15471  
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 <213> Homo sapiens

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 gtgctgc 67

<210> 15473  
 <211> 92  
 <212> DNA  
 <213> Homo sapiens

<400> 15473  
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 aagtctttgc cacctacatt tggcccagcc ag 92

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 <212> DNA  
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<400> 15474  
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<210> 15475

<211> 96  
<212> DNA  
<213> Homo sapiens

<400> 15475  
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gaacccagcc agaggggggtg tgactaccag tggccc 96

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<211> 75  
<212> DNA  
<213> Homo sapiens

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ttgagacagg ggcct 75

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<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 15477  
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tgatttcctg tgcggctc 79

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<212> DNA  
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ctgacctcag atgatccgcc cgccc 85

<210> 15479  
<211> 113  
<212> DNA  
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<400> 15479  
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cttgctcctc gggataagga ctggcagtc cctgacact 99

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<211> 75  
<212> DNA  
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gtgcccggcc ctca 75

<210> 15482  
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<212> DNA  
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acaca 65

<210> 15483  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 15483  
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caatcacgac tcattggctc actgcagcct agacctcca aca 103

<210> 15484  
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<212> DNA  
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<400> 15484  
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cgctccatc cacctgcaa 79

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<212> DNA  
<213> Homo sapiens

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cggcacctga 70

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<211> 70  
<212> DNA  
<213> Homo sapiens

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acggctgcaa 70

<210> 15487



<211> 72  
<212> DNA  
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<400> 15487  
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gaggaaggag gt 72

<210> 15488  
<211> 77  
<212> DNA  
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cttttcttgt ccccgct 77

<210> 15489  
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acttggcagt ga 72

<210> 15490  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 15490  
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ctgtgtagat tttttactta acgtagaatg aattactgtc ccc 103

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<212> DNA  
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<400> 15491  
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cagacacac 69

<210> 15492  
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<212> DNA  
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<400> 15492  
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<210> 15493  
<211> 59

<212> DNA  
<213> Homo sapiens

<400> 15493  
ttaactaaga aaagaagaga gaaaatctaa ataacctcat taagaaacaa acgggagga 59

<210> 15494  
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<212> DNA  
<213> Homo sapiens

<400> 15494  
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agctgcttc ttttcttgta taaatttaa aacctgctt aaatagcaat gaatgttgat 180  
gctgatgctg atatactaac atacacaaa acaggtataa aggggcattc tggcccttca 240  
aaacaatgat cttcaacagt aaatgca 267

<210> 15495  
<211> 76  
<212> DNA  
<213> Homo sapiens

<400> 15495  
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acctaccatg cgccac 76

<210> 15496  
<211> 171  
<212> DNA  
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<400> 15496  
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gcatgtgctt atgatcccag accagacggg ttaatcctca catgccaaaa tgtaaagact 120  
atcaagacta ggaagaaact gcatcaacta acgagcaaaa taaccagctt t 171

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<400> 15497  
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gaaataattc gcacgacgcc 140

<210> 15498  
<211> 56  
<212> DNA  
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<400> 15498  
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<210> 15499  
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 ggagcgcggg aat 73

<210> 15500  
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 <212> DNA  
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<400> 15500  
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 ttgtccttag gaataggtag ctgctgggaa tccaggaggc ataagggtag gctgggccag 120  
 ggat 124

<210> 15501  
 <211> 69  
 <212> DNA  
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<400> 15501  
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 ccgaccca 69

<210> 15502  
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 <212> DNA  
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<210> 15503  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<400> 15503  
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 aaattgttgt taatgattta taaaagtcca gtaataaaat taagtattag ggtagattaa 120  
 atggcctcca gtctttttcc attgaccttt tctcattgat gataataata gccagc 176

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<400> 15504  
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gcgcgggagg aat

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<210> 15505  
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<213> Homo sapiens

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atttatttgc agtatcaacc agaaacaca 89

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<212> DNA  
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<212> DNA  
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aacgccaaaa gaccctcccc aagtcagtaa taattgtacc cactcaccca cc 172

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<212> DNA  
<213> Homo sapiens

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agagaaacag aaccaaaaat gtgtatgtgt gcagtgacaca cacatgtaca catgtatatg 180  
ggggac 186

<210> 15509  
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<212> DNA  
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ccga 64

<210> 15510  
<211> 284  
<212> DNA  
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<400> 15510  
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cttactctct gctcttgccg cctgagactt ggtagagtga aaatttataa aaaaaaaatt 120  
aagttctggc caggtgcggg ggctcacgcc tgtaatctca gcactttggg aggccgaggt 180  
gggcgatca caaggtcagg agatcgagac catcctggcc aacatgggtga aaccctgtct 240  
ctactaaaaa tacaaaaatt tagctgtatg tgggtggcacg taca 284

<210> 15511  
<211> 190  
<212> DNA  
<213> Homo sapiens

<400> 15511  
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aagaaaataa taacatttaa aagttcacct tgaccaaaaga gacaacctcc agaagaacac 120  
cacacatggg aggacccgat gtacacacac acacacacac acacacacac acacacacac 180  
ccctaccctt 190

<210> 15512  
<211> 273  
<212> DNA  
<213> Homo sapiens

<400> 15512  
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tttatattca gagcagatat ttaagttaat tattttcaca aggaagagca gaactattct 180  
aaggctagtt ctcaaattgc ataaagggtgc aaatcttttc accttcttac taacctttgt 240  
tgatttagdt tgtctatttc ttabccccag cat 273

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acggacgagc gggcacagac ggcagcgga 89

<210> 15514  
<211> 113  
<212> DNA  
<213> Homo sapiens

<400> 15514  
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gatgaggagg gagagaacta ggggcccgca gcctgggaat ttccgtcccc ccg 113

<210> 15515  
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<212> DNA  
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<400> 15515

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 <212> DNA  
 <213> Homo sapiens

<400> 15516  
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<210> 15517  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<400> 15517  
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<210> 15518  
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 <212> DNA  
 <213> Homo sapiens

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 tgcagtgcc attcagtgtg accgc 85

<210> 15519  
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 <212> DNA  
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<400> 15519  
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 acttgaggca ctc 73

<210> 15520  
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 <212> DNA  
 <213> Homo sapiens

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 gccaccagc ctagagcaca gtggtgcaat cacagctcac tgcagcctca aacacttaaa 180  
 ttcaagtgat cctccacact cagtctcctg agtagctgaa actatagggtg tgcaccatgc 240  
 gcc 243

<210> 15521  
 <211> 67  
 <212> DNA

004220.0667550

<213> Homo sapiens

<400> 15521  
attgaacata attattttta ttgtagctat atagcatgtc agattaaatc attacaaca 60  
aaaggga 67

<210> 15522  
<211> 66  
<212> DNA  
<213> Homo sapiens

<400> 15522  
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ccccgc 66

<210> 15523  
<211> 59  
<212> DNA  
<213> Homo sapiens

<400> 15523  
aaacttttgt gttagtagta ccatgggtgaa aacatatttt actgcgttgc gcgcgcacg 59

<210> 15524  
<211> 182  
<212> DNA  
<213> Homo sapiens

<400> 15524  
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attagacctg tactgggcaa ctctagaaat cagagatagg accaataaat ggcaaacatg 120  
gaggacata atttcaacat aacttacaga agaacttctt tttttttttt tttttttttt 180  
tt 182

<210> 15525  
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<212> DNA  
<213> Homo sapiens

<400> 15525  
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cgggcagtca gaaaaatggg taagaagagt cgagcca 97

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<211> 234  
<212> DNA  
<213> Homo sapiens

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accatgagca gcttacctc ccgagttgaa aaaattgatg gacatgtctg ccaccattta 180  
attttcaatg ataactttt gtccatcaat tktttcaact cgggagtgtg agct 234

<210> 15527  
<211> 83  
<212> DNA  
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agaatcgctt gaaccggagg nmg 83

<210> 15528  
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<212> DNA  
<213> Homo sapiens

<400> 15528  
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aaaaacatga ttgtgattgt aggtaatact gagccagact ctgtggttgt aggttagcagg 120  
cgc 123

<210> 15529  
<211> 64  
<212> DNA  
<213> Homo sapiens

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cccg 64

<210> 15530  
<211> 55  
<212> DNA  
<213> Homo sapiens

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<210> 15531  
<211> 67  
<212> DNA  
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<400> 15531  
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cggccta 67

<210> 15532  
<211> 89  
<212> DNA  
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<400> 15532  
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ggatgtyccc tgctcaggag gaggccgga 89



<210> 15533  
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 <212> DNA  
 <213> Homo sapiens

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<210> 15534  
 <211> 63  
 <212> DNA  
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 cac 63

<210> 15535  
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 <212> DNA  
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<400> 15535  
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<210> 15536  
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<210> 15537  
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 <213> Homo sapiens

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 ggcaggcaga ttgcctgagg tcgggagttc aagaccagcc cggccga 107

<210> 15538  
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 <212> DNA  
 <213> Homo sapiens

<400> 15538  
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 aagagaaaac atcgaccttc aacctggaag ctccgacccc aggagccagc ccatcaacct 120

gaaccattac gccacca

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<210> 15539
<211> 93
<212> DNA
<213> Homo sapiens
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<400> 15539
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agagtatggt atcaattctc aagcctagga gat 93
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<211> 57
<212> DNA
<213> Homo sapiens
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<400> 15540  
kkataaaacg ataaagctaa akkagtggcc atttgtgtct gcttcgggac agcgtgk 57

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<210> 15541
<211> 86
<212> DNA
<213> Homo sapiens
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<400> 15541
ttattttattg ttgcatcctg aagcttcccc catgctgggc tcagtgtgaa caaacagcgc 60
gggagaatgc aaccactgca gaaagc 86
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<210> 15542
<211> 82
<212> DNA
<213> Homo sapiens
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<400> 15542
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gaaaggaagg aagcaagcaa gc 82
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<210> 15543
<211> 62
<212> DNA
<213> Homo sapiens
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[illegible]

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<210> 15544
<211> 62
<212> DNA
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ga 62
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004220"666E560

<210> 15545  
<211> 53  
<212> DNA  
<213> Homo sapiens

<400> 15545  
agatgctatc ttgcaggcct cactctagag actcaaccca atcaaccagg cgg 53

<210> 15546  
<211> 108  
<212> DNA  
<213> Homo sapiens

<400> 15546  
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ccttttaaadc ttaaaaagat tcatgttctc tgaatgatgc caccatag 108

<210> 15547  
<211> 87  
<212> DNA  
<213> Homo sapiens

<400> 15547  
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ccccaccccc atcccttcca ccgcaca 87

<210> 15548  
<211> 62  
<212> DNA  
<213> Homo sapiens

<400> 15548  
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ca 62

<210> 15549  
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<212> DNA  
<213> Homo sapiens

<400> 15549  
ctacaaaaga tgcacattaa atatacaaat agcctgaatg caaatggatg gct 53

<210> 15550  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 15550  
caatcattag tatcaatcat taagtggaag ttgaagaagg catcaaaca aacaaggatg 60  
tttacagaca tatgcaaagg gtcaggatat ctatcctcca gtatatagta atgcttaata 120  
acaagtaatc ctaacagcat taaangccaa atctgtcctc tttcccctga cttccttaca 180  
gcatgtttat ttatattaca agccattcag ggacaaagaa agaaaccttg actaccccac 240

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<210> 15551  
 <211> 100  
 <212> DNA  
 <213> Homo sapiens

<400> 15551  
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 agctacatta aaggccataa aatatgcagc gagggagcga 100

<210> 15552  
 <211> 52  
 <212> DNA  
 <213> Homo sapiens

<400> 15552  
 tcttcttcgt cccgggcggt gcgttcact gctctggggc cggcgccgca ca 52

<210> 15553  
 <211> 105  
 <212> DNA  
 <213> Homo sapiens

<400> 15553  
 tccgtttggt ccagccccgt cgtgcacgca atcggagatc cagatgtgat tgtactgaga 60  
 gccaatgcc tttcactcag caatcgtgc taagaaaaa aaaaa 105

<210> 15554  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens

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 gccctcgagg tccccgccac cgaaccagcg gcggascggy ccgcgcctcc cgcggcattc 120  
 ccgcaccgga s 131

<210> 15555  
 <211> 136  
 <212> DNA  
 <213> Homo sapiens

<400> 15555  
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<210> 15556  
 <211> 82  
 <212> DNA  
 <213> Homo sapiens

<400> 15556

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gcagaaatat atcaatggcc ca 82

<210> 15557  
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<212> DNA  
<213> Homo sapiens

<400> 15557  
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ttgataaact gaaaaatatg caatgcctgg ggaa 94

<210> 15558  
<211> 129  
<212> DNA  
<213> Homo sapiens

<400> 15558  
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tagtgagtgc caagaaccaa cttggtaagg ttgaggcttt gcaagttaac tgctgggggt 120  
ataggatca 129

<210> 15559  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 15559  
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accttttccc ttccatccat cttaaaggaa ggaagggacg ggctgagttc cccgacgaga 120  
gacacacg 128

<210> 15560  
<211> 239  
<212> DNA  
<213> Homo sapiens

<400> 15560  
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agccaaaatt gacaagtggg aatctagggc cgtgctcagt tggatgtgaa atctcagcta 120  
cagcttcctt ttcttctcta tcaccttggc tctatttgat aatcttccct caccaaggac 180  
atgaaaggaa aggacttcta tgagccaaaa aaaaacacat aatttgaatc aacacaacc 239

<210> 15561  
<211> 72  
<212> DNA  
<213> Homo sapiens

<400> 15561  
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gctcacagag at 72

<210> 15562  
<211> 54

004220" 6667560

<212> DNA  
<213> Homo sapiens

<400> 15562  
cagcaaatct cccagcaaaa ccagctgaag aagctcagaa gcacagacag caga 54

<210> 15563  
<211> 77  
<212> DNA  
<213> Homo sapiens

<400> 15563  
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aatgaaagaa gcacacg 77

<210> 15564  
<211> 64  
<212> DNA  
<213> Homo sapiens

<400> 15564  
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tgca 64

<210> 15565  
<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 15565  
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gcccagcgcg ccc 73

<210> 15566  
<211> 67  
<212> DNA  
<213> Homo sapiens

<400> 15566  
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gaaatcg 67

<210> 15567  
<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 15567  
ggtttgatg ctttgtctgt ggcagctata acagtggtaa gaacattttg aagatagctt 60  
tttaaaggaa ccc 73

<210> 15568  
<211> 50  
<212> DNA

004220" 656ET560

<213> Homo sapiens

<400> 15568  
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<210> 15569

<211> 114

<212> DNA

<213> Homo sapiens

<400> 15569  
aaaactgkyt ttcttcccc gagggaggag caggagagaga gggaggagtg tggtttgagg 60  
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<210> 15570

<211> 118

<212> DNA

<213> Homo sapiens

<400> 15570  
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caaatgacat tttcttgagg aaaaaaatct ctacaacatt gtagaatgtg aggggcca 118

<210> 15571

<211> 125

<212> DNA

<213> Homo sapiens

<400> 15571  
ttttttgagg tggagtttca ctcttgtcac ctaggttgga gtgcaatggc gtaattctctg 60  
ctcaactgaa cctctgtctc ctgggttcaa gggattctcc tgcctcagct tctgagtag 120  
ctgat 125

<210> 15572

<211> 107

<212> DNA

<213> Homo sapiens

<400> 15572  
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ttttatggtg ttaggtctta catttaagtc ttcaatccat cttgagt 107

<210> 15573

<211> 201

<212> DNA

<213> Homo sapiens

<400> 15573  
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agcattttcc aagaccaccc tggcctgccc tgccccatc atgggcctat aaaaaccaga 120  
gaccttagca aggcaggac gcaagcagct ggacatcata aggaacacat cagcagaaga 180  
agacacaagc agctgggtcta a 201

<210> 15574

<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 15574  
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caagatttaa tgtaggaaat attattaaag gcaa 94

<210> 15575  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 15575  
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ctgcggggcga tgcgggggat tgtcaacggg gaca 94

<210> 15576  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 15576  
acaataatgg acatacctta gattaagaca caaatagatt gaaagtaaaa gtgagatcat 60  
gcaaatagga gagctggagt aactatatta atgtcagaca gttaagcaa garatattac 120  
tagagacagg gacatactgt aatgacaaaa tgggc 155

<210> 15577  
<211> 140  
<212> DNA  
<213> Homo sapiens

<400> 15577  
atatgatgga gtctcgact gctccccagg gtggagcaca gtggtgcgac cttggctcac 60  
tgcaccctct gcctcctgtg ttcaagcgat tcttgtgctt cagcctccca agtagctggt 120  
attacaggcg cgtaccacct 140

<210> 15578  
<211> 58  
<212> DNA  
<213> Homo sapiens

<400> 15578  
aggagtcgag tcccaaggca tgcttctgtg tgcttctata gaagggataa accgccac 58

<210> 15579  
<211> 70  
<212> DNA  
<213> Homo sapiens

<400> 15579  
tgttttaacc ttatggtaat actttgcttt agtcgttccct cctgctacca gtagcgtttt 60  
gaccaccct 70



<210> 15580  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 15580  
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 agccaacttc agttcagcag attccaatcc ctatttatgc accacca 107

<210> 15581  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<400> 15581  
 tagtcctatt ttttaaagt tgaaatggaa actgagtgac taattaacat gcctgaaatc 60  
 acaatggtga atcatgaatc tcgaatttga ttctagattt tttttgctca ttctgatgtg 120  
 ttggttagtc ttgttatagt acagttgtag cacatggaaa tggatgggac catgcatgga 180  
 agccagagag tctagagcag ga 202

<210> 15582  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens

<400> 15582  
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 gcccttttaa ggggcactgt gtggaatggc ccaggctccc cagatcgaaa cttctcactc 120  
 ttcaccatcc a 131

<210> 15583  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 15583  
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 agctctcttt gtccagtgct tcggccttgg tcccagcgcc ctccgccccca tactgtcttg 120  
 gaacatgcag tggagtctct tgtttgagga ggaggtgccg gccttgtgcc agcaagcaca 180  
 tgccatgatg atgccacact tcttttatcc atcttctgta ccccca 226

<210> 15584  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

<400> 15584  
 tctgccacca tgccagtgag cactggatat ctgataacat gggttaaaagt aagaccgagt 60  
 gc 62

<210> 15585  
 <211> 73  
 <212> DNA  
 <213> Homo sapiens

<400> 15585  
acgcgcgcga acacacacac acacacacgc acacgccgcg cgcggtcagc tagagtttgg 60  
ctactggacc ctt 73

<210> 15586  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 15586  
agatcaaaat gaattagata aatcaacttc acaaatgtta agcggaacat 50

<210> 15587  
<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 15587  
tgccttacta ttgacattaa gaagaagaga agtctttcac aagtcatgaa tgaagaattt 60  
ggaatcagcc tcagaatgag atgccataat tattataaac ctgttttggt tgttcagcct 120  
cccct 125

<210> 15588  
<211> 60  
<212> DNA  
<213> Homo sapiens

<400> 15588  
ttttaacca tcaagggacc ttggagagtg gccactacac cagctttatc cggcagcact 60

<210> 15589  
<211> 66  
<212> DNA  
<213> Homo sapiens

<400> 15589  
catgattatc ttaattcctg tgaagtggca ctctacactc taattaaact tttatctgat 60  
gtacat 66

<210> 15590  
<211> 74  
<212> DNA  
<213> Homo sapiens

<400> 15590  
ataaacctgc caccaatagt aacaaagtgc tggatgcacc ttttgtgctt atctttgtgc 60  
taaattgtgcc caaa 74

<210> 15591  
<211> 90  
<212> DNA  
<213> Homo sapiens

<400> 15591  
 cccagacagt caccctaate ctagttcact ctctgtatcc ctaaaaaggc ctactaagt 60  
 tggtattgat tatcattttg aatggaagaa 90

<210> 15592  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens

<400> 15592  
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 gctgggcatg gtagtacacg cctgtgatcc cagctgcttg ggaggctgag gcaggagtct 120

<210> 15593  
 <211> 80  
 <212> DNA  
 <213> Homo sapiens

<400> 15593  
 agatctcatg agaactcact ccctatcatg agaacagcat gggggaaact gccccatga 60  
 gaaaatcacc taccaccgaa 80

<210> 15594  
 <211> 66  
 <212> DNA  
 <213> Homo sapiens

<400> 15594  
 tagttttaat cattcctttg aaagtagtga tgtcataatt gtactaatcc acataagcac 60  
 cacaga 66

<210> 15595  
 <211> 135  
 <212> DNA  
 <213> Homo sapiens

<400> 15595  
 actacagagt cagatgcagc gacaactttt gtctaaccct gaaatgatgg tccagatcat 60  
 ggaaaatccc ttgttcaga gcatgctctc aaatcctgac ctgatgagac agttaattat 120  
 ggccaatcca caata 135

<210> 15596  
 <211> 54  
 <212> DNA  
 <213> Homo sapiens

<400> 15596  
 cagcaaactct cccagyaaaa ccarctgaag aagctcagaa gcasrgacar cara 54

<210> 15597  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

004320"6666F560

<400> 15597  
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aaccactctg cctgccacac cgctcggagc ctggaaactg aggggtcagg ccctttgcag 120  
gaagaaaagt ggaaatgcac taagtcaggg tgggtcaaag cagggggaga agggcctctc 180  
tgccatttcg gtcccaaggt gagctgacac aggcgttcct tttgggactg tggagcatc 240  
agatgccagc actgactcag gaacagcaag tcagggcaga gaggaggagg gaggctgtca 300  
gcatggaat acctggactt ttctttgctt ccctcgc 337

<210> 15598  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 15598  
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cattatttcg tagaaatggg ctcataaggt tacaagctt tccaactaac cggca 115

<210> 15599  
<211> 68  
<212> DNA  
<213> Homo sapiens

<400> 15599  
gaggcgtgac gacagggatg cgggcacgca gctcgcgccc cggcagccgc agaccagccc 60  
ggagcgaa 68

<210> 15600  
<211> 72  
<212> DNA  
<213> Homo sapiens

<400> 15600  
tcaagagaaa tgtaggaag tcttcaggac ggggtgagtt actgatctct ctctgctatc 60  
agtccaccac ag 72

<210> 15601  
<211> 77  
<212> DNA  
<213> Homo sapiens

<400> 15601  
gacagcatct gctacaaaac tgtcccaaaa agaaaagatg ggatacagct ggttatgctg 60  
cagtaaaaaa gcaacca 77

<210> 15602  
<211> 81  
<212> DNA  
<213> Homo sapiens

<400> 15602  
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tttaaaatta aaattgagct g 81

<210> 15603

<211> 113  
<212> DNA  
<213> Homo sapiens

<400> 15603  
gcaaccttat aaatagtgtt ttccaaactg tgtcccagga ctgcaaattt ttaatgtgaa 60  
atgtcttttt ataattcttt ccttttaaaa aaaccaataa aataaaatgc cgc 113

<210> 15604  
<211> 72  
<212> DNA  
<213> Homo sapiens

<400> 15604  
acctcataga gttagataga gttgatccca tccaaaatcc agtctttag aatccgcatc 60  
tgatgaccag cg 72

<210> 15605  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 15605  
cttcacttcc cagacggggt ggcggctggg cagaggctgc aatctcagca ctttgggagg 60  
ccaaggcagg cggctgggag atggagggtg tagctagccg agg 103

<210> 15606  
<211> 66  
<212> DNA  
<213> Homo sapiens

<400> 15606  
agtttggggg gcggggcctg gccctctgcc tcgggggtggg ctccgccccg tccccgcag 60  
gccctt 66

<210> 15607  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 15607  
ataaaaactg ggccgggcat ggttgctcat gcctgtaatc ccagcacttt gggaggccaa 60  
ggtgggtgga tcacctgtgg tcgggagttc gaggccagcc tgatcaacat gcgggaaccc 120  
cgtctc 126

<210> 15608  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 15608  
gatttgaccg tccatatatg cagggtttcac atcgcacaaa taactatattt tgatccctgt 60  
ttggttgaaa aatattcata aataagtgga cccta 95

<210> 15609  
<211> 61  
<212> DNA  
<213> Homo sapiens

<400> 15609  
taaattgctg aagccatggt aatttatttg tttaatgctg aaaattatgt tcatgcaaca 60  
c 61

<210> 15610  
<211> 108  
<212> DNA  
<213> Homo sapiens

<400> 15610  
gaagggtcct gtgggtatga aggaaggaaa aggggctgtg gttaagtggg ctgggggcag 60  
agtggtttg ggatcatggg ggtcgccgag ctccctgaa acgccggc 108

<210> 15611  
<211> 59  
<212> DNA  
<213> Homo sapiens

<400> 15611  
ctataaatgt gattaagtca atgaataaaa acattaatgc attggtgata tccagcaac 59

<210> 15612  
<211> 311  
<212> DNA  
<213> Homo sapiens

<400> 15612  
atttcccctt ttccttgagg ccatttggtt ttagattaaa atcttattgt tcttggtttc 60  
tcatggggcg gttctgttct ctactgaagg aactctgcct ttgtaggtct cctgaatctg 120  
agtaagacta ggtaagttga atttctcctt tttcctgcca gaactgagtt ggtcagagct 180  
ttcacagac tggtcgaagt cgcagagatg cagcagacca ttatgctgct attaaaaagg 240  
cctgggatga tctcaagaaa tatttgagc ccagggtgtcc tcggatggtt ttatctctga 300  
aagagggaag c 311

<210> 15613  
<211> 66  
<212> DNA  
<213> Homo sapiens

<400> 15613  
cctgggtggc tacttttaca gaaatagaaa aaaattctaa aattcatttg aaatctcagt 60  
ggaccc 66

<210> 15614  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 15614

tatttttttg acagtattct tctttgtatc tcaaattggt ttgcttttta aacattctta 60  
 ttttagttat ctggagcaa 79

<210> 15615  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 15615 60  
 ttctagttat gcaacaagg atcctttkga gagtcccagg cctattatcc ctttcttttc 103  
 aaagggtagg ggtatgataa cagatcctaa aaacacctga aaa

<210> 15616  
 <211> 118  
 <212> DNA  
 <213> Homo sapiens

<400> 15616 60  
 ttaaatgaat taatccacga gaagctccta gaatgggtgc ttgtactgtg taagtcttgg 118  
 ttggcagtca tgattatgtt atggaacgga ggcattccagc ctccccacc ccctacaa

<210> 15617  
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 ctggctagtt tttgtatttt tggtagagac ggc 93

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 <212> DNA  
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<400> 15626  
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 gggtgaagcc ctgaaccaag ccg 83

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<400> 15638  
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 ttgctggcat gtcattgatc gccactgtag agaaggaata gagttctagc caaatgtgtg 180  
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 aaaatcaact tatctagtat taacttccag aagttaattt agtgagtcaa caaattagcc 360  
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 gcagcc 426

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 atttgacttg aaaatatcga ccttgacat gtccaataaa acaggtggga aacgcccggc 180  
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vttcacg 127

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ccacaaaaaa ctttatatta aaatcctagc cccaga 157

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catttgagca acatgagcka tgtatgtatc tagggaaaag actctgaagc tggcttgtga 180  
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ggtaacaggg tgggaac 257

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cgaactcagg ggggtggaggt tgcgggtgagtg tgagattgtg ccrktgcact ccagcctggg 180  
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<400> 15652  
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ctctgcgcgc acgccaagcg gctggcgaga tcaagggtga caaccctgac caagacgctg 180  
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acgctgcca cgacactacg gcgt 324

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<212> DNA  
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<400> 15653  
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tgaaaccccg tctctactaa aaatacaaaa aaattagccg ggtgtggtgg caggcacctg 180  
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<210> 15659

<211> 83

<212> DNA

<213> Homo sapiens

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<210> 15660

<211> 199

<212> DNA

<213> Homo sapiens

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cctttcaaca gtgtgcatct gttttccttc atggttctag ctctgaatgt ggtgactgta 180  
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<210> 15661

<211> 336

<212> DNA

<213> Homo sapiens

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<210> 15662

<211> 207

<212> DNA

<213> Homo sapiens

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aggatgtttt ttctcagact tctctacata catgcccccc 160

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<211> 209  
<212> DNA  
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<210> 15665  
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<212> DNA  
<213> Homo sapiens

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gtaatctagg gagaaagttg cagttaattc ctgttactct aaatgtgtaa tcagggcgtg 120  
gcgtggtggc ccacaccgt aatcccagca ccca 154

<210> 15666  
<211> 229  
<212> DNA  
<213> Homo sapiens

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actcaacaaa tgtttattga acacctacta tacaccaggc cctgtttcat gtacttgga 180  
tatagccatg aatgaaataa gcaaagatca ggaacttct tagccagga 229

<210> 15667  
<211> 198  
<212> DNA  
<213> Homo sapiens

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aaaattttca gcaaagaagg caagtaaaag atgaaaatta aattatgaga attaaaaaga 180  
caacattgag cagagaca 198

<210> 15668  
<211> 546  
<212> DNA



<213> Homo sapiens

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gaatgaacaa tgtgtcagca gggagatcag ctgattcaaa catcccaggt gcagatggga 480  
aaattgaggg ccatggctgc tcccttcctc acaccctatt ttagacccta cagtttcccc 546  
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<210> 15669

<211> 402

<212> DNA

<213> Homo sapiens

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cactttttaa gctggtatta gaaaacaaa agcattactt agcttaatgt agaatcctga 180  
ttttaagttt ggaaaatcat atggaattta aatttgcaga agtcagctaa attttgattg 240  
ctcagcttca taatatggat atcgtcttat aaggtagcac ctactacctc atctttactt 300  
cagaaaggag gatgacagg agactatatg atatagacaa atacactatt tgtctattca 360  
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<210> 15670

<211> 132

<212> DNA

<213> Homo sapiens

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acccttccc ta 132

<210> 15671

<211> 86

<212> DNA

<213> Homo sapiens

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gattaaaaac aaaacaaaa acacc 86

<210> 15672

<211> 274

<212> DNA

<213> Homo sapiens

<400> 15672  
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 ttcttttctg agcaattttc ctttcctctg gaatgaatac ttgatttttt tctttcttta 240  
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<210> 15673  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<400> 15673  
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 cagataaaaag agaggaaggt catgtgatag aagcagaggg aaacagagtc atagagagag 180  
 gatgctatgc cactggcttt gaatatggag gaagtggcca tgagccagtg aatacagctc 240  
 tagatgctgg aaaaggcaag gaaacggatt ctaatgtaac tgtgaactaa gagctagt 298

<210> 15674  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

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 tgctagagca ttgtatttc tatgcatggg ggtaagaagg ctgagagagg atcctggcgg 180  
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 ccaccagcag tgttgaagtg ttccctaate accatatcca caccaacatg gccattctac 180  
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 <211> 458  
 <212> DNA  
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 <211> 526  
 <212> DNA  
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aggtgcac	gatt	ggttttagca	agcacacctt	gacttttgta	ttatggtgaa	180
agcaaatg	tgta	actgtgcctt	ttaaaaaaat	tcctgtagga	agatattaat	240
gcttagaaa	atcag	tagat	aatcatctat	aaaaaacctg	aaatattttt	300
caactttc	ttc	tagagt	cagtaactgt	ttaaactgaa	atcaaataaa	360
gtaatttgc	cctg	gaagaa	agcctttcta	aaattatttc	tgtagtctt	420
ttgaraaa	caata	aatgt	attacttctc	atttgcagtt	tttataaact	480
ttaaagca	ac	ttcagagtgc	taacttgggc	cttctttctt	ccctcc	526

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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tgcacccttc	accccaggct	gttagtttct	tgaggacaag	gacttcatca	ttttcaaaca	155
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 <212> DNA  
 <213> Homo sapiens

<400> 15680						60
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tagttgggtt	ggag	cttttg	ttttcttatg	ctgtaataat	gggtcactgg	aagattagaa
gaggcagccc	cctgt	catga	tgctggctgt	gtacaagaga	ttggaacaag	ggctatgtgc
acagtcacga	aagggg	agtt	tctttatcgt	atattcgatg	ggaatgcagg	tcagtggaaa
a						301

<210> 15681  
 <211> 327  
 <212> DNA  
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 aggattcaaa tctggttcag tgcttggtct tttagctaca ctttgctggc cacaaataat 180  
 acgtattacg tggacgaaat ttcccatctg taggatggtt tcagcacatt tttaaattgg 240  
 ggtgggggag tagatacttt tcagtgtctt ttttcacttg gtccaatttt aagcatcttt 300  
 ttaaaagcca gttcatctaa ggcccca 327

<210> 15682  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

<400> 15682  
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 cacagtgagc tcaaaacctt catcccttcc ctagggtggc cggaatctg ccgtccacat 180  
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 ccccg 245

<210> 15683  
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<400> 15683  
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 gtgacttttt ttgtggtcag aaagcaccaa ttgtggcag aatcagaact agaaccacc 180  
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<210> 15684  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 15684  
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 tttcacagga tcttatactt tcttcacaaa actttacaat gttctgcaaa ttacaagtgc 180  
 aagagaacct acaaatcccc cact 204

<210> 15685  
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 <212> DNA  
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<400> 15685  
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<210> 15686  
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<213> Homo sapiens

<400> 15686  
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<210> 15687

<211> 353

<212> DNA

<213> Homo sapiens

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tctgatgcta agaacaacag atattctggc tggcctgcag agatccagat agaaggctgc 180  
atacccaaag aacgaagctg aactgcagg gtccctgagta aatgtgttct gtataaacia 240  
atgcagctgg aatcgctcaa gaatcttatt tttctaaatc caacagccca tatttgatga 300  
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<210> 15688

<211> 174

<212> DNA

<213> Homo sapiens

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tgcacgccag cctggcgaca gagcgggact tcctctcaaa aacaaacaaa caaaaaacag 120  
ggcactgatt tctgaattat atgtctccct attcrgagtc tttttttttt tttt 174

<210> 15689

<211> 194

<212> DNA

<213> Homo sapiens

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<210> 15690

<211> 254

<212> DNA

<213> Homo sapiens

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ctcctgcttc agcctcccga gtagcaggga ctaccagcat gtgccaccac acgcgggctaa 180  
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gacctccagt gatt 254

<210> 15691

<211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 15691	
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ccaaagtgct gggattacag gtgtgggcca caatgcctgg ccccttctgc atccttgta	120
ttaacatgct cctatcattt ttttatgaca tccttacttt ctgtagaaga tgttctcagt	180
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<210> 15692  
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<400> 15692	
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tcatgagagc agcaccaac	139

<210> 15693  
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 <212> DNA  
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ccgctgacct ctggccacag gaagccaggt ccaccgcca ccacccttc aggccatgtt	180
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taaccagtgg gcagcttttag gagggatggg gatctgttcc agatctaggc ataacctgta	300
aatcacaggt gtccaaactt ttggcttccc tgggccacat ttgaagaaga attttcttgg	360
gccacgcg	368

<210> 15694  
 <211> 126  
 <212> DNA  
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<400> 15694	
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tccattagtt ccaatttgga agcctttggt acggaatagc gtcagatcca tgcatatgca	120
gcctag	126

<210> 15695  
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caagactctg tctttacaaa aaaatttttt ttaattactc aggcacgggtg gtacatgcct	180
gtagtctcag ctacttgga ggcttggtg gaaggatcac ttggggcccg gaggccaacg	240

004220" 666EFS60

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ataataacctg gcatcaatat taaggagcag ccatggatac asgcagca 348

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<212> DNA  
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aggcagagac aagggtcctt taggcagcct cgccgcaag 99

<210> 15697  
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<212> DNA  
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<400> 15697  
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tccctgtgag ttatcctgga catttcgatg gtttttgta aggccaaact ctgataagca 120  
aaacagagaa tactgacgta tacttaacca tatgtgtaac tgatacttgg caccaat 177

<210> 15698  
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<212> DNA  
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ggtgaaacca tgtctctgct agaatacaaa aattagccag gtgtggtgct cacgcctgta 180  
atcccagcta cttgggagggc tgaggtggga gct 213

<210> 15699  
<211> 81  
<212> DNA  
<213> Homo sapiens

<400> 15699  
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tgtctcaaaa aaaaaaaaaa a 81

<210> 15700  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 15700  
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taagtttgcc ttcattgaaa aaaggggaaa taacaaatat ataatttcaa gtattttata 120  
taaatatata trrtgatgat tatacataat tktaggtaat aaaaattcta cattrgtata 180  
aaggatgtat attagaaaat gggaaggttc agataaggtg gttagagaag gcattgckga 240  
ggt 243

<210> 15701  
 <211> 78  
 <212> DNA  
 <213> Homo sapiens

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 agcgagcmag agcaggaa 78

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 <213> Homo sapiens

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 <213> Homo sapiens

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 agacac 546

<210> 15704  
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 cgaactcagg ggggtggaggt tgcgggtgag tgagattgtg ccrktgcact ccagcctggg 180  
 caacagagcg agactctgtc tcaggaaaaa aaaaaaaaaa a 221

<210> 15705  
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<212> DNA  
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cccttattga aaatcagkdg gtcctggata tatgggttta tttctgtact ctcagttcta 120  
ttccattgat ctatatgtct gtccttataa caatcctata ctgggt 166

<210> 15706  
<211> 406  
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tggtgtctct attggtaaat gtttcttgta cacttaaaaa atgtatattt tgctgtttt 180  
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<400> 15707  
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tccatctcta gaaaatggca tgggaacaaa tgatgaagat gaattaagcc ttgggttgcc 300  
cactgagctc aagagaaaga aggaacccg 329

<210> 15708  
<211> 139  
<212> DNA  
<213> Homo sapiens

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caaatctaaa aagggaat 139

<210> 15709  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 15709  
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ttgtgcccg ttggaggata acgttctttg ggtactttt gtgggttgca aatgaactca 120  
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<211> 73  
<212> DNA  
<213> Homo sapiens

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aaaaaaca aa 73

<210> 15711  
<211> 396  
<212> DNA  
<213> Homo sapiens

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aaggattatc tttcccagtg tcaacakgaa caagaatcth wtatagatta taaggatatgt 120  
accactaaca gtatttaaaa taattgtag taattatttt gcttattagt tagagcttat 180  
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cgggtatnta gtgtgwccta gwcattgtca tgagtgtacc atatagagta tttctcttwt 300  
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<210> 15712  
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<210> 15713  
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aatgaagat gatgtacgtg tctttttctc tggtttgtgc gtggatggag taattttctt 180  
aaaacatcat gatggccag 199

<210> 15714  
<211> 272  
<212> DNA  
<213> Homo sapiens

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<210> 15715  
 <211> 336  
 <212> DNA  
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<400> 15715  
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 tgacagttgt ttctcacata ttctaaggca tttcctgatg aagtcacgtg cagcataact 240  
 tttgaaatga aatggaaata tcaccatgaa gggttgtgtt tatggctaata ggaattggga 300  
 aagggccact cttaaagata tacctgggtg taccct 336

<210> 15716  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

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 tagtactatt tattgagtag ttgatcggt tctgcactga tctgattttt taaaaatttc 180  
 ccgttatctt ttatgtatct agttctatgt tttgaggcct c 221

<210> 15717  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

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 tattttgata tacatagtca aaagattact ataatcaagc taattaacat atctgtctcc 180  
 tcacatacct tttaagtgtg tgtgcgggtg gagtacctga tatctactct tagcaaattt 240  
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<400> 15719  
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 gactgtct 128

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<400> 15720  
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 <212> DNA  
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<210> 15722  
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<400> 15722  
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 gtaggcgggg tacgaagctg atggaaaagt acccagctgc ctctcttca gttcttcagc 240  
 ctcaccgtgt gcgggagacg tgctgctc 267

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 <212> DNA  
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 tcctttcatg tggttactgg ccattgtcta tgttcttaga tgaaaaacct ggtcgttatc 180  
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 tctttattgt ttctgtttta aaattttgtt ttatcagctc ttttctcaag aatttactat 360  
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 ttgagtattt attactctgt atgaaggaaa aaacattttg aaatgctttt cataaatctg 180  
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 aatcagatac atttgatttc tttataaaca tgggtagggt catttagctg tgcaccattt 300  
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 <212> DNA  
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<210> 15726  
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<210> 15727  
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<400> 15727  
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 gcccagctc tcttaattgc cagcactcct cttggaagtc cctcatcttg attaccttat 180  
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<210> 15728  
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 <212> DNA  
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 tactcgggag gctggggcgg gagaatg 207

<210> 15729  
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 tgagttggcc atagcctttt gatttagtag accca 155

<210> 15730  
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 <212> DNA  
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<400> 15730  
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<210> 15731  
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<400> 15731  
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 agatgcttca cctttccaga aagtgtgtct gcctaagttt aatgaccatt gggaagatca 180  
 gaaaatattt agacatatta tgaaagttcc ggccataaa 219

<210> 15732  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 15732  
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 ggctgtagta atcactttac catgtaagtg tgtatcaaaa catcatagta tatatatctt 120  
 aaatatgtac aataaagaag aaaaaaaaca gycccacc 158

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 <212> DNA  
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<400> 15733  
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 ggcgccctcag cccctcccgc aggcgcgcca ctgattccag gatccgaaaa cgcttccagc 420  
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<210> 15734  
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 <212> DNA  
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<400> 15734  
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 ggaacccggc ccccgggccc cgagaccgac tgagggagca 100

<210> 15735  
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 <212> DNA  
 <213> Homo sapiens

<400> 15735  
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 ctagactaca aaaaagaaat tattatadt 149

<210> 15736  
 <211> 82  
 <212> DNA  
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 gggaccggag gaagcagcgg gc 82

<210> 15737  
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 <212> DNA  
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<400> 15737  
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 ctgtaatttg cagcaacatg gataaacatt gagggcatta tgctaagtga aataagtcag 120  
 acagggaac 129

<210> 15738  
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<400> 15738  
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 ctcacctacc agaaggagcc ttggaggaga gcggacttgt tctccatggc cagaaagggg 240  
 aaagaagttg tagattttgt cataacttga ggtggagcgt ttacagccat gcaggggtgg 300  
 acccgggccc tgagaaggcc acgaatttcc tgtccctggg ggtattaaga aatgggatta 360  
 gattaatc tggggttcc ttcaatcctg atttgagacag tactgttaga tccagtgaga 420  
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<210> 15739  
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 <212> DNA  
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<400> 15739  
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 agacgggggt tcatcatgtt ggccaggctg gtctcaaact cctgatctca gatgatctgt 240  
 ccgccttggc ctcccaaagt gctgggatta caggcctgag ccaccgcacc cggccaaaat 300  
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<210> 15740  
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<400> 15740  
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 gccactacac tccagcctgg gtgacagagt gagactcctg ctcaaaaaaa ccaaaagact 180  
 ttatcttatt tcctatatgt ttgtggtttc agtcctgatg tataatttga ccctagttag 240  
 aatggttata tgaggaagtg gcctgtacga tttctgcttt tttaaattgtg tggctcccaa 300

<210> 15741  
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 <212> DNA  
 <213> Homo sapiens

<400> 15741  
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 gccaccmcta attccagaac atttttatca cccsragaa aaccaccgcg 410

<210> 15742  
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<400> 15742  
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 atttagcttt tgtctataca ctttcccccc at 92

<210> 15743  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens



<400> 15743  
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 tattagatag akagacccca tckccataaa aagtaaaara cttagctgak catggtagcw 180  
 cgtgcctata gtcccagcta cttgggagac tgaagtggga agattgagcc taaggagtgt 240  
 gacgctgcag tkagkatgat tgtgccactg cactccagcc tggttaaaga gt 292

<210> 15744  
 <211> 197  
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 ggatgaggca ggaggacgct taagcccaga tgttcaagac caacttgggt aacatagcaa 180  
 gattccatct ccaaaca 197

<210> 15745  
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<400> 15745  
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<210> 15746  
 <211> 318  
 <212> DNA  
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<210> 15747  
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 <212> DNA  
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 gtggcgtgat gtcggctcat tgcagtctct gcttcccagg ttcaagtgat cttcctgcct 180  
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<210> 15748  
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 <212> DNA  
 <213> Homo sapiens

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<210> 15749  
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 <212> DNA  
 <213> Homo sapiens

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 acggcgtgg c 71

<210> 15750  
 <211> 353  
 <212> DNA  
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<210> 15751  
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 <212> DNA  
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<210> 15754  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 15754  
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<210> 15755  
<211> 187  
<212> DNA  
<213> Homo sapiens

<400> 15755  
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ttaccaatat tacatgctgg tggcctcaca ccacacttgt ggtgtgagta tcaatcatct 180  
taccga 187

<210> 15756  
<211> 237  
<212> DNA  
<213> Homo sapiens

<400> 15756  
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gaaaaaatag aaatatattg ttttttggtg cttaccggtg ttgtgttata acaatatcgt 180  
taacatcgtc aggactttgt tcctgataat aaaaagcgtc gatagaagcc gggagca 237

<210> 15757  
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<212> DNA  
<213> Homo sapiens

<400> 15757  
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 aaaaaaaaaa aaaaaa 135

<210> 15758  
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 <212> DNA  
 <213> Homo sapiens

<400> 15758  
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 cact 364

<210> 15759  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<400> 15759  
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<210> 15760  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 15760  
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 aagtaaaatt tagttaactt tgagcagcta gatttgaact cttatcaaca cagcatccc 179

<210> 15761  
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 <212> DNA  
 <213> Homo sapiens

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 agaggaggaa taaagaagta atattaggca acattgtggg agaacttata tgccaggtct 180

<210> 15762  
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 <212> DNA  
 <213> Homo sapiens

<400> 15762  
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 agaatatgta gggattatgt gttcacagct aacataatat ttattgtttc tgagaaagtg 240  
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 <212> DNA  
 <213> Homo sapiens

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 ttgttttcag tataaattag ataacatgtg gaggtcacag cattttggaa attgagtgtc 180  
 cccaagtgaag ctttgtttat aaactttcga aatgtcggaa gtggacaggt ttgttaaadc 240  
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 tgaagtgaag cgtgatgatg ccttgccctc cagtctgagt gtttcagaag gtggagtttc 300  
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<211> 157  
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 aatatctgga ctgctaatat ctgacaacag taggctc 157

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 cgtctctgct aaagatacaa gaattagcca ggcattgatg cacacacctg taatcccagc 240  
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 ggaggca 307

<210> 15772  
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 aaaaaggaag tgggactttg ggaagtgggt gctccttagt cttggcgggg gttgggaatg 180  
 ggaaataagc tg 192

<210> 15773  
 <211> 284  
 <212> DNA  
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 ttttctaatt tttgcagtat ggataggctg agaattttcc aaatcccaa gttctgggtc 180  
 ctttttcctt aacaatttct tctgcaattc aggtctcctt ttgcattttt gccgagacca 240  
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 <212> DNA  
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 cccacattgc 190

<210> 15775  
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 <212> DNA  
 <213> Homo sapiens

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 tgccactgca ctgcagcctg tataacagan tgaggccctg tctataaaag aaacataaat 180  
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151

<210> 15777

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gatagatgtg ctataggga aagaactttg agggctgagc agcaggggcc cattcagtcc	180
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<210> 15778

<211> 329

<212> DNA

<213> Homo sapiens

<400> 15778

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cttatccata agtctgttag gctttcttca ttcttttgca ttcttttttt tctcttctga	240
atggataatt tcaaagtgtc tgtctttgag ctcaactcatt ctttcttcca tttagtcaag	300
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<210> 15779

<211> 442

<212> DNA

<213> Homo sapiens

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aggtttggga gatttgagga cgtgggtgtac cctggaccac atagtttttg gcaggaagac	180
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gtgataacat cccatgcagg agctctagct ctcaggctct cccctccctg tttcattctc	360
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<210> 15780

<211> 234

<212> DNA

<213> Homo sapiens

<400> 15780

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tttttcccc tgagatgggt atatagttgt ccaacatcat ttatttaaka atacaataac	180
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<210> 15781

<211> 133

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<212> DNA  
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aaaccctgtc tct 133

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ataccaagcc atgga 195

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<212> DNA  
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ggtttaggga aattggtaaa aggccaaaca actaattggt gggaacaag attctaata 240  
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<212> DNA  
<213> Homo sapiens

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aacaactcca gacgcgcasc ttaagagctg tracactcac cgcaaggctc tgcaacttca 180  
ctcctgagcc agccagacca cgaaccacc agaaggaaga aactccaaac acatccgaac 240  
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ccagccaaag aatgcaggaa atggtactct ctttttctga gtgaatcttg gcaaaatgac	180
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ttgtttctga gattcactca tgtaaagca cgtgcctata gtttagcaat ttagaaactt	180
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gacagactgc	tttgatcaac	cctaaatgca	aaagcagcct	atttttcttt	gtttaaaagt	240
caaaacataa	aaaagcagag	tataacatac	aaaccattct	taactattca	ttaaaatggg	300
tccttcaaca	ccttagtggt	gtttgtgtgt	gttgcttatg	cagagagatt	attttctttt	360
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 aaccaycatt ckrcctctctt cctccatgag akccaccttt tccgctccta catatgagt 180  
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 tgaaagcrgt aagtttcctc tggatggtca tgaaaactag gatatagtcc actatcatct 180  
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 agactccaag ctccaaccac gt 262

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[illegible]

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<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA
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tacagtagtc catccccatc ccgggctgta gaaatgtagg acccacaagc cttcgttaca 180
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<212> DNA  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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<210> 15819  
<211> 144  
<212> DNA  
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<210> 15823  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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<211> 278  
<212> DNA  
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aaaacttttt gatgctattg taggtggaat tgktttcttg atttactttt tgggktgtcc 240  
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<210> 15830  
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<212> DNA  
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<400> 15830  
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tggggaagga gtmcaaaaca atctcksaac atgattgacc catttgggat ggagawkcac 300  
ctttgctctc agccacctgt dactargtca ggagtgtarr ttggatctct amattaakgt 360  
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<210> 15831  
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<210> 15834

<211> 267

<212> DNA

<213> Homo sapiens

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 gggaatgtgt ggaaacattt ttggttggtta cagctagggg gtgttaactg gcactgagag 180  
 tagagggagg ccaggaatgc tgcaaaacat cctgnmagtc cccaggccag ccccgacaac 240  
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<210> 15835

<211> 311

<212> DNA

<213> Homo sapiens

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 acactctata atgtttgcac aacagtgaat ttgcctaaca atgtatttct catgaggtat 180  
 ccccatgtgt aagccatgca tgactgtatt ttaatcttta cttaagtgcac ttagaaaaag 240  
 aaacaagtgg ttcaggagga tcatgtgagt ttcattgawkt agatgatgac ataagtcttg 300  
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<210> 15836

<211> 182

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 aagaatatat gacctttat cctgtaaagc taactcaaat caaacacaag c 171

<210> 15839  
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 <213> Homo sapiens

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 aagtgaagca aaagctggaa ctaggcttca agcatttttt catattcagg ctcaaaagct 240  
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 <212> DNA  
 <213> Homo sapiens

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cagttttgca ggctgggaag tccaagataa agccaccagc atctgacaat ggccttcttg		240
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aaagccctcc tgatcttctt tggcacttga cactaccctt tggaagtgtc ctattcttct		240
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tttctaataa ttgaatattt atcaaaaaca cttatgcttg tattgtggca taattttttc		240
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aacagggtgc ctgttttctt gtgctgacca taacttatgc acaactcatc aaaataatga		318
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ctctactaaa aatacaaaga ttggccggac atggtggcgc acacctgtgg tcccagctac		360
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<212> DNA  
<213> Homo sapiens

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<210> 15848  
<211> 177  
<212> DNA  
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<210> 15850  
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<212> DNA  
<213> Homo sapiens

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ctataaatac gttcaaagca tcaaagaaag ccatgtctaa tgaagcaaa gaaagcatgg 180  
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<212> DNA  
<213> Homo sapiens

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tgtctatgtw ctggattttg gccattctga taggtgtgta gtagaatctc gttttttttt	300
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 <213> Homo sapiens

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aatcctagga gaccgagtct tggcacgtga acagagccag atttcacact gagcagcaag	240
gctaattggtg gaaaccacaca acgaaatcta tgacaagttc aagcagagta cacacagcat	300
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ccgggcaga	

<210> 15854  
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 <212> DNA  
 <213> Homo sapiens

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<210> 15855  
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atacatcagt caaacagAAC aatgttgtaa gcttcttgta cttgtatttc gtactaggta	240
gaaagttaca atcaccatac tgatttaaaa tgcgtgggaa atgagaagta tcaactcaaat	252
gaaagcccag ac	

<210> 15856



<211> 451  
 <212> DNA  
 <213> Homo sapiens

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agcccaggag	ttcaagacca	gcctgggcaa	catagtgaga	tgttttatca	aaaaattaaa	240
aagttttccc	agctattggg	aaaaaakkaa	aagtagttcc	agctactcag	gaggctgaga	300
taggaggatc	gcttgagcct	tagaggctga	ggttgtaggg	agttgagata	ctgccactga	360
actccagcct	gagcgacagt	gagaccctgt	ctcaaccgct	ccctcctccc	cccacaccac	420
cacccaaaat	aaacagaaat	gaggggagta	tggctagaac	actgagagt	aggggaggat	451
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 <212> DNA  
 <213> Homo sapiens

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cttaagggtcg	ggagttgtaa	gaccagcctg	gccaacatgg	tgaaagaaac	cccgtctcta	240
ctaagaatac	aaaaattagc	tgggcattgt	tacacgtgcc	tgtagtccca	gctactcggg	244
aggg						

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 <212> DNA  
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ggtgggcgga	ttacctgagg	tcgggagttc	cagaccggcc	tggccaacat	ggtgaaaccc	240
cgtctctact	aagaacgcaa	aaattaggcg	ggcatggtgg	tgggtgcctg	tgtcccagc	254
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<210> 15859  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<400> 15859						60
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cgcagttgct	ggcggtgccc	ttccgaggac	gctttccaag	cgagcaatta	aacttgctgc	170
ccgaaatcta	aaggcgcagg	ggcgggtggca	gcggcggcgg	gaggcgga		

<210> 15860  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 15860

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 ggtggatcac ctgagggtcga cagttcgaga ccacatggag aaaccccgtc 120  
 tctactaaaa atacaaaatt agccgggcat ggtggtggca ggcacctgta atcccagcta 180  
 ctcaggaggc ga 192

<210> 15861  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<400> 15861  
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 tgaattggct gtgttcaagg catgcccttt agaattgaaa gaactagcag attacggat 180  
 ttagacttga atatttggct gatattttct ggaaattaat ggaatgagcc tctcacctca 240  
 agggaaacaa ctgatagtgt tgccagtgt aaagctttca agcaaaaatt ggaatttccg 300  
 aaaatctgta ctccaccatg agctttattg ttggggatat taacaaatgt gatttgtata 360  
 atgaaatgca ttccatttgg aagaatt 387

<210> 15862  
 <211> 91  
 <212> DNA  
 <213> Homo sapiens

<400> 15862  
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 ctccctccct tcccgtgttc cctcccttcc t 91

<210> 15863  
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 <212> DNA  
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 cttgcccata ctgttctcct taagatgcaa atakraatgt tgccgtatat ttttttctcc 120  
 aaatttagct taaagggata aatatttctt tgacagtgcc acttaagttt aattaaggga 180  
 ctaatgcaca cattccctca 200

<210> 15864  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 15864  
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 agcaatcact tgtttcaagt gctgctgttc tgtcaagaac tgtctgtagc aataccaagt 180  
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<210> 15865  
 <211> 122  
 <212> DNA

<213> Homo sapiens

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ataggcaaaa tttcccaatt aggtttttga aatttggtt tagaatgaat gattcctaga 120  
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<210> 15866

<211> 113

<212> DNA

<213> Homo sapiens

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<210> 15867

<211> 253

<212> DNA

<213> Homo sapiens

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gcacccggcc agctttttat ttttttaatg gatggtgaag ggggtgtggt acgttactct 180  
taggaagagt ccgagaaaga agcaccctag atgtggggag ggagtgcttc tgaatgctga 240  
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<210> 15868

<211> 149

<212> DNA

<213> Homo sapiens

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aaagcattac agacaaatac agaagtgggt taaaaactaa aaggaaaaag ttcacccaaa 120  
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<210> 15869

<211> 216

<212> DNA

<213> Homo sapiens

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atgtgggagg cactgttgta ggcttttgat atactgggtga aataaagatt tgtgccttgt 180  
gactctttta ttaagagtgg gatgcggaga ggggtc 216

<210> 15870

<211> 137

<212> DNA

<213> Homo sapiens

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tttttagtgg agacgat 137

<210> 15871  
<211> 328  
<212> DNA  
<213> Homo sapiens

<400> 15871  
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gtaaaatgat ggggttggac cagataattt ggaaggtttc tttcagcctc cagcactgta 180  
atataccatt ataagtwttc taagaagatg gcaaattccc gagaaccttt ttaactgatt 240  
cagtttagtt ccaaaacggt tgcagtgata tatacctgtg catagaagac tggactattg 300  
atctgacttt ttggacttgt tggaagat 328

<210> 15872  
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<213> Homo sapiens

<400> 15872  
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ttctttg 187

<210> 15873  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 15873  
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aatgartgar tgaatgaatg aatggttgta tcagccaaca gattaatgtg ttatgaagaa 120  
cagattgtwc caagaagtta atcagtgatc c 151

<210> 15874  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 15874  
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ttagtagaga cagggtttca ctatcttggc taggctggtc ttgaactcct gaccac 116

<210> 15875  
<211> 227  
<212> DNA  
<213> Homo sapiens

<400> 15875

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 tcacagagtg ggaaatgcgt tttgaaaatc tgtaaagggc ttgaatctac aatatgttaa 180  
 aaacttttat aactcaataa ttgataaccc aattaaaaac gggcctt 227

<210> 15876  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 15876  
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 aaacaagtba gagaagtttt tattatccca cagaaagttc ccttgtacag agatctcccc 120  
 acccctc 127

<210> 15877  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 15877  
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<210> 15878  
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 <212> DNA  
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<400> 15878  
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 tggtagggcc ccgtcttaac taaaaatata aaaggattag ccaggcgtgg tggcagggcg 180  
 ctgtaatccc agctgcttgg gaggctgagg cacggagaat tgtttgaacc tgggaggsrg 240  
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 catctaaaaa aaaaaaaaaa aaa 323

<210> 15879  
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 <212> DNA  
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<400> 15879  
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 agtctggggc acagagccag actcatctca aaaaaaaaaa 100

<210> 15880  
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 <212> DNA  
 <213> Homo sapiens

<400> 15880  
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 tcccccaaat ccaagacata cacatatcca tagataaatt ggcaatgatg gctgtaaacc 180  
 aaaagtgatt tgggtaactc aagtttattt gagggaaacc ctccagacat tatgttggca 240  
 ggaactatgg ccacccatgg tgccatacat aaccccggtg caagctgtca gggaacaaaa 300  
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<210> 15881  
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<400> 15881  
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 ctcagggcta taatcccagc gctttgggag gctgaggcgg gtcac 225

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<400> 15882  
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<210> 15883  
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 ggatgacaga gcgagacttc gtctcaaaaa aaaaaaaaaa 159

<210> 15884  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 15884  
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 caaggagaaa tatggggagt tgatgagcat cagaraaacc aggacaa 107

<210> 15885  
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 <212> DNA  
 <213> Homo sapiens

<400> 15885  
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 agttgagcgt gatgggaagg gaaagaatgc tgatctttaa attttgtcc ttagttaagk 120

tctgtatttta gtgaattaat tgcatacctaa aaagtsraac ttgaaaagca ct

172

<210> 15886

<211> 384

<212> DNA

<213> Homo sapiens

<400> 15886

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aggcggttacc	accacacccg	gctgtaaaaa	tgtacttatt	ctccagcctc	ttttgtataa	120
accatagtaa	gggatgggag	tratgatggt	atctgtgaaa	atagccacca	tttaccgta	180
agacaaaact	tgttaaagcc	tcttgagtct	aacctagatt	acatcaggcc	ctttttcaca	240
cacaaaaaaa	tccttttatg	gatttaaatg	aatctgttgt	ttccccctaa	gtkgaaaaac	300
aactctaaga	cacttttaaag	taccttcttg	gcctgggtta	catggttccc	agcctaggtt	360
tcagactttt	gcttaaggcc	agaa				384

<210> 15887

<211> 387

<212> DNA

<213> Homo sapiens

<400> 15887

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gtggacatcc	agttctccct	gaaaagactg	ccctgtgacc	agtggccggg	gccaccgac	180
tctcctgtgc	tggagtbccg	agtgagggac	atagggcagc	tcgtgcctct	cctgcccac	240
ccttgacgcs	ccatcagcga	ggggcgctgg	cagacggagg	accatgatgg	gaacaagatc	300
ctcctayagg	cacaaagggt	gcataagarg	tttcttaaac	ctggcagagt	acatcatgcc	360
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<210> 15888

<211> 246

<212> DNA

<213> Homo sapiens

<400> 15888

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cttcagagag	gcagtagatg	gcagtagagg	cttttgaatg	aggactttca	ggttgcyttg	120
gctcacctaa	tttcatcctc	ccatcctgac	actgtgggga	atgctgctct	ggaaagattc	180
tctgctgcct	gcagagctga	cagctgctgc	ctgaatctac	tcactctgtga	gcsacaaagg	240
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<210> 15889

<211> 288

<212> DNA

<213> Homo sapiens

<400> 15889

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attccccctc	ataggtgtat	ttaatctagc	taaagaataa	ttcaaaatgg	agattawtsc	120
cmargactca	saaccacatt	agttcatggt	tgtcagcaaa	tctgacctgt	gaarggggac	180
tcggttacca	gtgaaaaatg	cttattctat	ctgtattaat	ggaggtcatt	gtgccartga	240
gacctacca	gangtgaggaga	ggtgatcttt	cagaatctgt	taccccg		288

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 <212> DNA  
 <213> Homo sapiens

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 ctcttccagc tgagcagagt tggataattg aattagtcac tctgacattc tttggaccat 180  
 atcatcttag tggtttgggg tcagtgtca tctgatatat ctkcttrsc accttctg 238

<210> 15891  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 15891  
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 ctttggttta gggatctagt ggaacatgac cagctatccc cttttgcctg agataccctc 180  
 agcttttgat catcactact gagtttttac atgttttagt gaaactatga attactcaaa 240  
 tgttgtgatt taaaatgt 258

<210> 15892  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

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 tgtctttgat ctgagtagtt cgctgcgta ttagaagata tttgaagtgg gcgaaaattt 360  
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<210> 15893  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 15893  
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 ggc 123

<210> 15894  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

<400> 15894  
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 tgaaaaatat gtaaatttga aaaggtgttg aaaaggacct aagtttttgt agccacctga 180  
 ctaataaaca cagagatac 199

<210> 15895  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

<400> 15895  
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 tcattaaaaa cccaggatta aattgcaaac tctgaacttt ttacaaagaa aaatggaaaa 180  
 actttgtatg gtagcttcat gttgaagtgg ttttttgttt ttgttttgt ttttttaatt 240  
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<210> 15896  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

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 taggctgtca aaaccaggaa tctcttcttc gtagcactac agtcatactc attgatacgt 180  
 gtgattatta atgtgggttt tttaaaaaat tagaatgaaa ctcaagagca ggggtac 236

<210> 15897  
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 <212> DNA  
 <213> Homo sapiens

<400> 15897  
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 kkaatctttc tcttatatca aggtgctgaa gttagaattg aagcaaatca gagakca 177

<210> 15898  
 <211> 132  
 <212> DNA  
 <213> Homo sapiens

<400> 15898  
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 caggctgccc gg 132

<210> 15899  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 15899

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 cacctttcac ggtgggggaa ttgtttaact tctttcttgg agttaggaag caataaagaa 180  
 gtgcaa 186

<210> 15900  
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 <212> DNA  
 <213> Homo sapiens

<400> 15900  
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 tttcttcaa gcctgccatc aaggtaac 148

<210> 15901  
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 <212> DNA  
 <213> Homo sapiens

<400> 15901  
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 atttctcaga atgtgtacct gcaagtgcac catgactgta ttctgtttca agagagtctt 180  
 ggagtcacca tccaagctgc ccagttgaca gactagaagc cacgt 225

<210> 15902  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<400> 15902  
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 tgctgcaggg tgagggagta gagttcctgg gccgggcagc cgatgccctc attgccatct 240  
 ctaactaccg gctgcatatc aaattcaagg actctgtcat caacgtcccc ctccggatga 300  
 ttgacagtrt ggagagccgt gatatgttcc agttgcacat ttcttgcaag actccaaagt 360  
 ggtgaggtga gaacaacgga gcctcactca ggtcccctgg ccctagtctt gtccagttct 420  
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gtagaggagc tcagaggggc agggatggat actctctgaa ggaagggccg ttggactggg	240
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tgrggcgtgg tggcangcgc ctgtggtcct cagcctccct aggggctggg atcacaggca	180
tacggcacca ttttcggcta agttttgtat ttttggtgga gatgggggtt tgccgtgttg	240

cccaggctgg tctcagacga catcaggtga tctkcctgcc tgtgactccc aaagttctgg 300  
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gattcactat caacagtttt tgtggttctt ggaacttga 159

<210> 15912  
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<212> DNA  
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ttgttttatt tttccttctt tggatatctat ct 92

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cttgagg 127

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gagaatcact tgaacccggg aggcggaggt tgcagtgggc tgagatcaca ccactgcact 180  
caagcctgca tgacagagtg agactctgtc tc 212

<210> 15924  
<211> 227  
<212> DNA  
<213> Homo sapiens

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aaaaatattt	attgagcacc	tattgtgttc	tgaagataca	gcggcca		227

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<213> Homo sapiens
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 gcaaccgagg aggcacctgc gaaagaaagc ccacacc 157

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 aatgggtgcc ctggccctgg gcatcgcccc acctggctgt ctccaaggct ctccttccca 180  
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 tttwaatttg tttkgckgag ascatagcwa tttgttttwa tkgwaaaaca ataataataa 180  
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 caagtacaca gagasacggc agccgctgta cagattcatc accacgatct gtgcatcat 180



tggcgggacc ttcaccgtcg ccggcatcct ggactcatgc atcttcacag cctctgaggc 240  
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 cagttggaat catggtaggg atttgtatga atctgcatat aatgccttga gtagttagca 180  
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<210> 15936  
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 ctgtaatccc agctgcttgg gaggctgagg cacggagaat tgtttgaacc tgggaggcag 240  
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 caagcctgca tgacagagtg agactctgtc tc 212

<210> 15938  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 15938  
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 gaggcacaca gagaactgac ttgctcaaga ttacacagct agagcagaga atgatcccag 120  
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 ctaactggca accaaagggt scaccaaaa ccgcttgga tgctgcaaca atgaatggca 180  
 tgcattttcc acaatacgca cccaca 206

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 tttatcaccg cgcaatttgg actcacgaca atgtgtggtg tttgtcagac atgcactgtt 180  
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<210> 15941  
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aaaactttta taactcaata attgataacc caattaaaaa cgggcctt 228

<210> 15948  
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gatcagggat ctaataggtc agatacgtag agacctgact ttcaaaaggc ttacagtcca 180  
gctggaaaat cagataaata tgcagacaat ttaaaatatc tccaagcaca tcctccagca 240

261

actgttgagg ttccacaca t

&lt;210&gt; 15949

&lt;211&gt; 317

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15949

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&lt;210&gt; 15950

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15950

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ttgctgggat	tataggcatg	agctaccaag	cctggctgga	aatttgcttt	ttacaagatt	180
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&lt;210&gt; 15951

&lt;211&gt; 56

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15951

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&lt;210&gt; 15952

&lt;211&gt; 182

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15952

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tcgccattga	aaagttaatt	atcctttktt	tagggatttt	gatgtcattt	cttttttttt	180
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&lt;210&gt; 15953

&lt;211&gt; 120

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15953

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 atgagtgga 130

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 cggatcacaa ggtcgggaat ttgagaccgg cctgaccaac atggtgaaat cctgtctcta 180  
 ctaaaaatac aaaaattaga caggcatggg ggcacgcgcc ttagtccca gctagtcggg 240  
 aggctgaggc gggagagtcg cttgaactgg ggaggcgaag attgcagtga gccgagattg 300  
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 ccccaa 367

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<210> 15961  
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 tagagcccta gggcccactg gtacaagtcc tagagtccaa agaccaagga acctggagtc 180  
 ctctgtgtcca agggcaggag cagaagggtg tcttggtctt gcaagagaga taatttgccc 240  
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 caaggacacg c 371

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 caccttgat ttaaggcatt ttcttaagat gtgtaaagta tgttcctta aatctctctt 180  
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<212> DNA  
<213> Homo sapiens

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aagaacttaa acaaatttac aagaaaaaac aaacaacccc atcaaaaagt gagtgaagga 180  
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<210> 15968  
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<212> DNA  
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attgaccaag cattgcactg tgtttttcct ctagtatttc tgttttctag cttttcctca 240  
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gccctgggtca agcgggtcaa aggggtctcta atgctagaaa atttacagaa aactcaaca		240
ccccatgctg cattccagcc aaattcccag attggtgagg aaatgagcca gaacagtttc		300
ataaaacagt atctggaaaa gcagcaggag ctacttaggc agcgtctgga acgtgaagct		360
cgagaagctg cagaacttga aggagaaarn kckcaatttc tgaagagaaa ggtgactctg		420
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 <212> DNA  
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ctgctgcctc ctaatcttcc tgctagtggg accaccttca cctggggctg ccttcagtac		240
aagggagtgt ggaaatgctt acgcttgaaa cactgcagtc atttaggcac tctcctggtt		266
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<210> 15971  
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 <212> DNA  
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tgccagcact tccttcgctc catcgtctgg cgccttcctt cctctactgt cctcatgagc		183
ccc		

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tttccactgg gaccacttcc tcttgagcat aggttctcac attttctgct cgagggtgca		240
gctctgtggc cactcttctg ccaaagggca ccaggaggtt cctcaaagga ccttttgaac		291
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00400" 666T560



<400> 15973  
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 cagttctccc tggaggagat ggcacacttt gcttggagaa gaaaaactac aaactaccca 180  
 ggagttgccc ccaaaaaaga aatacaagga gttcaagaaa gctaggaaaa tgtaaataca 240  
 aatagattta atatggagag acagacaaca ttcttgtcta gtcaacctat tgactagcat 300  
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<210> 15975  
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 <212> DNA  
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<400> 15976  
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<210> 15977  
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<400> 15977  
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 ggactctttc tctgggaaac catccttcca aaacggaatc tatgtagaca atgggacggt 180  
 aggcagagag ctccagatggc ccttttaagg gggctccaag aaccaacatc actgctcttt 240  
 tagataaacc tctgccctcc actccttgct tgagtggggt aaaggaacta acagtgtgcc 300  
 ctttaggagg acaaaatggg gtcaagagga cacagaagag ttgtatagca ccagattggt 360  
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<212> DNA  
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atatcact aacacacata atgtgtatga cgtaatttgt ataagagcgt ggcccttata	180
caactgtgaa acaccgac	198

<210> 15979  
<211> 397  
<212> DNA  
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aggaggagc tgacatagtc cactttccaa gaaataactg tctttaatgt gtatacacct	180
aacagcaacc ttcaaaatac ataaagtga gactgataga actaaaaggt gagtagaaaa	240
atccacaatt gtagttggag acttctatat ccctctcagt aactgataga acaagtaggc	300
agttaaatca gtarggatct vragtatttg agcvacactc gaccaacatg acctaagaga	360
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<212> DNA  
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ccgccttggt tatcgctcag cactctttca tgtctcatt ctgggaggat tactcccaa	180
tctggttttc cagttctgct tctcatgagt ccctcgattc ggcttcttca gtaaaacatt	240
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taattattcc ccttcatttc ctcttctcct ttcttcttat ttttgagac agagtctcac	360
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<212> DNA  
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 ctagcctggt gacagagaag actgtcccca caaaaaaaaa a 101

<210> 15983  
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 <212> DNA  
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 ggagaaacct catctctact aaaaatacaa aattagccag gcttgatggt acatgcctgt 180  
 aatcccagct agttgggagg ctgaggcagg agaatacatt gaacctggga ggtggagggt 240  
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<210> 15984  
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 <213> Homo sapiens

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 cctgagtgtg gcaggagcca ccatagaaag ccatttcagg gtcatgcaga gtcttttcag 180  
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<210> 15986  
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 <212> DNA  
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taacttgaa ggctgaggtg aggtgggaag atcacttgag cccaggagtt tgaggctgca	240
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 tagggaagtg gcgcctgtct cctggagtgg aagaggcctg ctccctggct ctgggtctgc 360  
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 catatatcag tactaaacttt gaatataaat gggctaaacg cctcacttaa aagacacaga 180  
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 acacataatg acaaccc 257

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 <212> DNA  
 <213> Homo sapiens

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<210> 15997

<211> 129  
 <212> DNA  
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 cacgctgga 129

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 aacactcata aattatcctt cgaactgtta caacttccaa cctggaacaa cttggaaaaa 180  
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 gcacga 246

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gagaacattt catgtagata ctccagagga ctga 94

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aggcgac 187

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004399-023400

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<212> DNA  
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<212> DNA  
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ctcccagta ggtgggacta caggaccaga ggagcgagag cagcaagaac cacaccaac 180

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<212> DNA  
<213> Homo sapiens

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gcactccagc ctgggagcaca gagcgatcct ccgtctcaaa aaaaaaaaaa aa 172

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<213> Homo sapiens

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agaatcattg aaacctctgc ctctgggtt tcagtgatcc tctgcctca gcctcccag 180  
tagc 184

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<211> 81

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<213> Homo sapiens

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<210> 16031

<211> 151

<212> DNA

<213> Homo sapiens

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<211> 165

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<211> 90

<212> DNA

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<211> 130

<212> DNA

<213> Homo sapiens

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130

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<211> 175

<212> DNA

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<210> 16036

<211> 77

<212> DNA

<213> Homo sapiens

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<210> 16037

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<212> DNA

<213> Homo sapiens

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<210> 16038

<211> 167

<212> DNA

<213> Homo sapiens

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 gccaacatgg tgaaaccctg tctcgactaa aaatacaaaa aaaaaaa 167

<210> 16039

<211> 239

<212> DNA

<213> Homo sapiens

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 aggattgctt gagcctagga ggttgaagct acagtgagcc gtgattgcac cactgcactc 180  
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<210> 16040

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<213> Homo sapiens

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tttctgtaat cacctagagc agtgctactc aaatgtggtc cagaccagtg caggtcttgg 180  
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<210> 16041

<211> 165

<212> DNA

<213> Homo sapiens

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<211> 92

<212> DNA

<213> Homo sapiens

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<211> 159

<212> DNA

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<212> DNA

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<211> 109

<212> DNA

<213> Homo sapiens

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 ctggaaat 188

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<210> 16049  
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 nacggcacc aggctact 78

<210> 16050  
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 <212> DNA  
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<212> DNA  
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<212> DNA  
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<213> Homo sapiens

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<211> 194

<212> DNA

<213> Homo sapiens

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<211> 162

<212> DNA

<213> Homo sapiens

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<210> 16059

<211> 143

<212> DNA

<213> Homo sapiens

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<211> 100

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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aaaaaaaaaa aaa 313

<210> 16062  
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<212> DNA  
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**SECRET**

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<212> DNA  
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cgcgta 126

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<210> 16138

<211> 68

<212> DNA

<213> Homo sapiens

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<210> 16140

<211> 146

<212> DNA

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acgggctgtt gctcgggcag cccagcagcg gcgcggcsc gagcccttg aggaagacga 180  
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ggcggaacga gagaagagga gac 263

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<212> DNA  
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gagtgacctc atcgagatcc agtggtgaa ggtgacggac accacgctgg tccctgagcc 180  
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gctat 245

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<212> DNA

<213> Homo sapiens

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<210> 16149

<211> 81

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<213> Homo sapiens

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<210> 16150

<211> 192

<212> DNA

<213> Homo sapiens

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<210> 16151

<211> 182

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 16153

<211> 87

<212> DNA

<213> Homo sapiens

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actgcaaacc tctrcctccc gggttgc

87

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<212> DNA  
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gtcactgca acctccaccc ccct 84

<210> 16156  
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<212> DNA  
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tgagtgtctg tcctgtggag gagggagcaa gcccgtggt gcggagtga tttccatgga 120  
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ggcgg 185

<210> 16157  
<211> 298  
<212> DNA  
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agtctggagt cacagcacat tagaaccaat aacacacaca cacacacaca cacacaagtc 120  
gggcatggtg gcgaacacct gtagtcccag ctacttggga ggctgaggca ggagaatcgc 180  
ttgaaccgag gaggcagagg ttgcagtga ccaagattgc accactgcac tccagcctgg 240  
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ggcccccattg acccgctgtc ctgtgccctt tcccagcgat ggggcggc 108

<210> 16159  
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<212> DNA  
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<400> 16159  
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accccgga 129

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gtagagcacc gaaaaccacg aggaagagaa 90

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ccctgccacc cctcargacc aacgtcaagg c 151

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 caagctaatt gttgagaa 78

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<210> 16168  
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 ggtcaccct cagtgaaggc ttgctgctcc ctggctgtgg agacagagga gcagaagaga 180  
 ctctctctgc cctcgtggc cccaaca 207

<210> 16169  
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 ccggtcttga aatcctgacc tgaagagagc tgccgcctc ggcttccaa agtgctgaga 180  
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 <212> DNA  
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 ggagggt 127

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 gagatgga 128

<210> 16176  
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<212> DNA  
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tccagcctgt gcgacagggc aagactctgt ctcaaaaaaa aaaaaaaaaa aa 172

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tcccctcmcc cttnnctccc ct 82

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<212> DNA  
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caactgcaagc tccacctccc aggttcacgt cattctcctg cctcagcctc ccgagtagct 120  
gggactatag gcgcccacca ccaca 145

<210> 16179  
<211> 97  
<212> DNA  
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gcaggaaaga tcccgaagg aggaagaggt ggcgaag 97

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<212> DNA  
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tgcaccagct gatggtgatg tttctttaca tttattcaga accttcccat ttcagaggaa 180  
atgggttact ttggggggcc at 202

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<212> DNA  
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ataactcagt gggetgaccc atccctccca ggcgctgggg accaacctag caatgaaggt 120  
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 gcttaggcaa aagagtcccc gga 203

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 tacaaaatta gctgggcatg gtggtgckta cctgtggttc cggctactcg gcaggca 117

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 <212> DNA  
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 ctaaacatac aaaaattagc cgggtgtgat ggcaagtgt tgtaatccca gctactcggg 180  
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 <211> 199  
 <212> DNA  
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 gtggacacac catctttaag aactgtaaca ctcaactgtga gactctgcgg cttcattctt 120  
 gaagtcagcg agaccaagaa cccaccaatt ccggacacag tggttttccc ctgcagtcag 180  
 gctgcccagc agtagctac 199



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 <212> DNA  
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<400> 16187  
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<210> 16188  
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 <212> DNA  
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 <212> DNA  
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<210> 16190  
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 <212> DNA  
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 tcaagtgacc ctccaaattc agccccccag gt 152

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 <212> DNA  
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 gggattgaaa cactgggtac a 141

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 <212> DNA  
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 aggaccagct tgacaacata gcaaaacccc atctctgtaa aaaaaaatga aaataaacca 120  
 ggcattgggtg tgtgcctrka atcacagtcg cttgggaggc tggagcagga ggattgcttg 180  
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<210> 16197  
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 <212> DNA  
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<400> 16197

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<400> 16199  
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 <213> Homo sapiens

<400> 16200  
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<400> 16201  
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<210> 16203  
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<212> DNA

<213> Homo sapiens

<400> 16203

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atggaaggga gggt 135

<210> 16204

<211> 87

<212> DNA

<213> Homo sapiens

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<210> 16205

<211> 135

<212> DNA

<213> Homo sapiens

<400> 16205

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<211> 81

<212> DNA

<213> Homo sapiens

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<210> 16207

<211> 90

<212> DNA

<213> Homo sapiens

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acctcaacta cactgatcac cagcccatc 90

<210> 16208

<211> 100

<212> DNA

<213> Homo sapiens

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<212> DNA  
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gggagttcgg ggcagtgggc ctggtaggga atggggc 157

<210> 16210  
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<212> DNA  
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cacaccggc ccca 134

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<211> 165  
<212> DNA  
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gatgggctag gcaaggaaat cgctctgtga atgaacacac agaggcttca aaagaccctt 120  
ttggggaaga gcaagcaagg catggcagga gagaagaagg gcaag 165

<210> 16212  
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<212> DNA  
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atcacagaac aatgacaaaa gacaatttct gctggagcgc 100

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<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 16213  
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caagtctttc cattccctag gatcgggccc cagtctcacc ccc 103

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<212> DNA  
<213> Homo sapiens

<400> 16214

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gagcgggcag aagagcccgt ggtctatcag aagctgctgc cctgggagcc aagcttgag 120  
tcggaggagg aagtggagga ggaggcggc 149

<210> 16215  
<211> 119  
<212> DNA  
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<400> 16215  
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cacagaggaa gacaccgga gtcacctagc agggcaggca aggcattgatt gagggagtg 119

<210> 16216  
<211> 172  
<212> DNA  
<213> Homo sapiens

<400> 16216  
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aatcccagat acttgggagg ctgaggcagg agagtcgctt gaaccggga ggcggagggtt 120  
gcggtagact aagatcgac cattgcgctc cagcctgagc aacaagagag gt 172

<210> 16217  
<211> 161  
<212> DNA  
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<400> 16217  
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cccagccac accttcacca gtagggagc ctccctgct cagagggcgg aaggtgtaga 120  
cagagaagaa acagggggag ggggcaggta gaggaaccac a 161

<210> 16218  
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<212> DNA  
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gccattcttg gctttcaaga gggaagagcc aaaagttaga agggccctag gagctagaaa 120  
gtatagaaac aattatcccc cagagcc 147

<210> 16219  
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<212> DNA  
<213> Homo sapiens

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gcatcagcta aggaagttgt tcagggtggc agtgagggtg tcgtgcttg gaaagatgtt 120  
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catttgacag taaattcgag tgatgcgagg gggacctgaa ctgtggcctc tgtcatggga 240  
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<210> 16220  
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<400> 16220  
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 ttgaaattaa gttagtgaag atgcctgcgc tgggtgtgag gaacaagtgg aaattacagt 180  
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<210> 16221  
 <211> 148  
 <212> DNA  
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<400> 16221  
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 caaatttttt ttttttttt tttttttt 148

<210> 16222  
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 gtggagagta ggcggaacca ggtggtcgtc ggggcagagg atctcgggct aggcttgagg 180  
 gcggcat 187

<210> 16223  
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<400> 16223  
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 ctgggattat aggcctgcc accatgtgtg gctaattttt gtgtttttag tagaggcagg 180  
 gtttcacat attgtccagg cc 202

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 tactcgggag gctgaggcag gggaatcact tgaacccagg aagcagaggt tgcagtaagc 120  
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192

aaaaaaaaaa aa

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<210> 16226  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 16226  
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 ctgcaatctc cgctcccgg gttcaagtga ttcttctgcc tcagcctccc aagtatctgg 120  
 gattacaggc gcgcaccacc ac 142

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 <211> 134  
 <212> DNA  
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<400> 16227  
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 ttctataacc gctc 134

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 <211> 137  
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 aaggaagccg gtgagtt 137

<210> 16229  
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 <212> DNA  
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<400> 16229  
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 gaattcctga ccttgtgatc caccgctc 89

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<213> Homo sapiens

<400> 16230  
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<210> 16231

<211> 343

<212> DNA

<213> Homo sapiens

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 acgacaagcc cgtbgtagt gcaagtgtct gtaatcttag ccactcggga ggctgaggca 240  
 ggagaattgc tggaaaccgg gaggcagagg tggcagtkag ccgagattgc accactgvac 300  
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<210> 16232

<211> 66

<212> DNA

<213> Homo sapiens

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<210> 16233

<211> 114

<212> DNA

<213> Homo sapiens

<400> 16233  
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<210> 16234

<211> 148

<212> DNA

<213> Homo sapiens

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 tgcaaaaaat acaaaaatta gccagaaa 148

<210> 16235

<211> 82

<212> DNA

<213> Homo sapiens

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ggcgccctgcc accacgccaa ac

82

<210> 16236

<211> 182

<212> DNA

<213> Homo sapiens

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gagggcagcc ctgcaccgcc caaacacgcc ggcccggggc tcgccccag cggcagcagg 180  
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<213> Homo sapiens

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<210> 16238

<211> 108

<212> DNA

<213> Homo sapiens

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<210> 16239

<211> 142

<212> DNA

<213> Homo sapiens

<400> 16239

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gggggccgag aagagcagct cacccttcgc agccgcgatg ggggaagacg acgccgcgct 120  
tcgggctggc agcagggagc gc 142

<210> 16240

<211> 165

<212> DNA

<213> Homo sapiens

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ctaataactt tgagttcaca ctattgaact aaatttccaa aactcggcca ggcacagtgg 120  
ctcaagcctg taatcccagc actctgggag gccgaggtar gcgga 165

<210> 16241

<211> 153

<212> DNA

004220" 66657560

004220" 666E7560

<213> Homo sapiens

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tccaggtcaa tggccadcaa ggaggggggt ccgagccgrc ggcgccggc ggcagtsgtg 120  
gcagcgggag acaaatggaa acctccacag ggc 153

<210> 16242

<211> 177

<212> DNA

<213> Homo sapiens

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cggatcacga ggtagcaggaga ttgagaccac cctggccaac atgggtgaaac ctctgtctcta 120  
ctaaaaatac aaaaattaca ggccggacgc ggtggctcac acctgtaatc ccagcac 177

<210> 16243

<211> 163

<212> DNA

<213> Homo sapiens

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<210> 16244

<211> 110

<212> DNA

<213> Homo sapiens

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<210> 16245

<211> 160

<212> DNA

<213> Homo sapiens

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tgtcaccctc cacaccacc tggttgtcac gacgaaacaa 160

<210> 16246

<211> 93

<212> DNA

<213> Homo sapiens

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acaaaaatta gccaggaatg gtggcagagc acc 93

<210> 16247  
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 <212> DNA  
 <213> Homo sapiens

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 tgtctgtact gaaaatgc 138

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 ttggccggac acagtggctc acgcctgtaa tcccagcact ttggggaggcc aaggcgggtg 180  
 gatcacgggg tcgggagatg gagmcatcct ggctaaccatg gtgaatgaag ccccatctct 240  
 agtaaaagata caaaggattt gcccgggtgtg gtggtgggcg c 281

<210> 16249  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

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 gccactgctt tctagcctgg atgacagagc gagactctgt caacaacaac aataaaaaaa 180  
 aaacaaaaac acacacc 197

<210> 16250  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

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 actaaaaatg cagaaattgg ctgggcgtgg tggcggatgc ctgtgatccc agctgcttgg 180  
 gaggctgagg cgggagagtc gcttgaacct gggaggcggg gattgcagtg agccgatctc 240  
 gtgccactgk rctccagcct gggtgacagc atgagactct gtcacacaca cacacacaca 300  
 cacacc 306

<210> 16251  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 16251  
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aggcacgaga gtcgcttgaa cctgagaagc agaggttgca gtgagccaag atcatgcccc 120  
 tgcattctag cctgggcgac agagcgaacc tctgtctcaa aaaaatgaaa aaattaaact 180  
 tgaatgaata atgaaaaaaaa aagggac 207

<210> 16252  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 16252  
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 tttggtggtg cgtgcctgta atcccagcac tttggaaggc ca 162

<210> 16253  
 <211> 270  
 <212> DNA  
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 ccacaagctc tgcgggtggg gctgagcggg accccccctg actgggcctg ctctgagatg 240  
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 <212> DNA  
 <213> Homo sapiens

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 actc 124

<210> 16256  
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 <212> DNA  
 <213> Homo sapiens

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 agcctggga 129

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<400> 16259  
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 aaa 183

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<212> DNA  
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<210> 16263  
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aaaaaaacac acacacacac acaaaaaaaa aaggaaaaag aaagggccga gcgtggtggc 180  
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<210> 16264  
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aaccc 65

<210> 16265  
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<212> DNA  
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ttgggagcca ggatgagctt gtcggcttcg tagatcgcca tgccgagcat ggccgcaccg 120  
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<212> DNA  
<213> Homo sapiens

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ctgcatgggt caggtgagcg ggctctggcc gagggcagcc gggcaggggg cagcaggggtg 120  
cggcagcttg cccaccgaa cctcccaggg tgcacctcag gggggctgcc tacctgaagg 180  
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caccaccggt ggcgtgaaga agccccaccg ctacaggcct ggtactgtcg ccctccgtga 180  
aatccgccag c 191

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<211> 175  
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cagccacctg caagcagagg agagaggcct cagaagaaac caaccctacc agccg 175

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<210> 16272  
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aggaaccac 189

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<212> DNA  
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aagtagcccg gactacaggt atgcc 145

<210> 16275  
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<212> DNA  
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<400> 16275  
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gttggtgcga gagctggaaa gcatggctgt tataaatgaa ttctgatttt ggggagcaga 180  
tgccaactta gacccctgg 198

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<212> DNA  
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tttaaagggtg agtaagccta cgacagtaga cccaatgggg gaatatacca caaggctcca 120  
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<210> 16278  
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<211> 88

<212> DNA

<213> Homo sapiens

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<210> 16280

<211> 140

<212> DNA

<213> Homo sapiens

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<210> 16281

<211> 98

<212> DNA

<213> Homo sapiens

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<210> 16282

<211> 167

<212> DNA

<213> Homo sapiens

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<210> 16283

<211> 91

<212> DNA

<213> Homo sapiens

<400> 16283

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<210> 16284  
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<212> DNA  
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<400> 16284  
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gcactttggg aggctgaggt gggcggatta cctgaggtca ggagttcgag accagcctgg 120  
ctggcatggt gaaaccccg tta 143

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cttctgtctt ctcttttgca tgagttgctt ttaggagcag gaagaaggta ggcaaagtaa 180  
gataaagatg caacacattt aactacaaaa atcaggttca ttttttagtt tattagaatt 240  
tttttgaaat cttaagaggg ccagcatttc tggctacaat tttgcacca gaacc 295

<210> 16286  
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<212> DNA  
<213> Homo sapiens

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ctaaaacaaa actaatgaa acgccctaac cctgcttccc ctcaaaccac accaa 175

<210> 16287  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 16287  
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<210> 16288  
<211> 86  
<212> DNA  
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<210> 16289  
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004399-02400

<213> Homo sapiens

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<210> 16290

<211> 65

<212> DNA

<213> Homo sapiens

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<210> 16291

<211> 87

<212> DNA

<213> Homo sapiens

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<210> 16292

<211> 139

<212> DNA

<213> Homo sapiens

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<210> 16294

<211> 163

<212> DNA

<213> Homo sapiens

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ctggagaaat agtagatggc aagtttgtgg gttttttttt ttt 163

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 cagtaaacag taatgttttt tcttgccact cactgccaat 160

<210> 16297  
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 tgggtggcatc tacctgtagt cccaggtaact cgaggcagga gaattgcttg aacctgggag 120  
 acggagggttg cagtgagctg agactacgcc actgcattct agcctgaacg acagagtcag 180  
 actogaatgc agtggcgtag tctcagctca ctgcagcctc cacctcctgg gttcaagcgg 240  
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<210> 16298  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

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<210> 16299  
 <211> 71  
 <212> DNA  
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<210> 16300  
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 <212> DNA  
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0044220" 66666666

<400> 16300  
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 catgctcatg ggtaggaaga atcaatattg tgaaaatggc catactgcc aaagtaattt 180  
 atagattcga tgctgtcccc atgaagctcc c 211

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 <211> 76  
 <212> DNA  
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 <212> DNA  
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 aggaccaag 129

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<210> 16306

<211> 132  
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 aaaaaaaaaa aa 132

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 <212> DNA  
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 <212> DNA  
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 gttgaagasc magggtgma 139

<210> 16309  
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 <212> DNA  
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 gctgatctgg ctggctcaa 79

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 ttcgagccaa ttcaagccag gtgcccccta acgaatcaaa cacaacacgc gtggg 175

<210> 16311  
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 <212> DNA  
 <213> Homo sapiens

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<210> 16312  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

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 atgctttaat atcttcacta gtctctgaaa ttttagaatg acaccct 107

<210> 16313  
 <211> 58  
 <212> DNA  
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<400> 16313  
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<210> 16314  
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 <212> DNA  
 <213> Homo sapiens

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<210> 16315  
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 ctttgccaaa aatttcatat gaacggtggg a 151

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 <211> 176  
 <212> DNA  
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<212> DNA  
<213> Homo sapiens

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cggttgcac 189

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<211> 59  
<212> DNA  
<213> Homo sapiens

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<210> 16319  
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<212> DNA  
<213> Homo sapiens

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<210> 16320  
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<212> DNA  
<213> Homo sapiens

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ctacttgctt aagggaga 78

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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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ataracaaaa ataactcaaa atggatcaaa aacctaaact tcaaaactct tagggaaaaa 180  
aatagatatg tcttgattc cagaatgatt tcttaaatat gacacaaaa gcacaagcaa 240

ctt

243

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<212> DNA  
<213> Homo sapiens

<400> 16323  
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ttcatagtaa caaaagttca tcaggaggac atatcaatca taagtgtata tttatttaaat 120  
gcagaatgac a 131

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<212> DNA  
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<400> 16324  
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cgggcagagt tggagggtgt ggcggttcgct ctccctaggg gctgtcggga gctcagcggg 120  
gaccgagcct gggaggccgg ccgaa 145

<210> 16325  
<211> 108  
<212> DNA  
<213> Homo sapiens

<400> 16325  
gggactctgt ctctacaaaa aatctaaaaa ttagctgggt gcagtggcgc gcgcctgttg 60  
tcctagctac tcgggaggct gaagttggga ggattgcttg agctgggg 108

<210> 16326  
<211> 93  
<212> DNA  
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<400> 16326  
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gtagagcacc gaaaaccacg aggaagagag gaa 93

<210> 16327  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 16327  
ccgtctcaaa asaaaaatta aaaaacagtt gtttctggcc ggggtgcggtg gctcacatct 60  
gtggtcccag cactttggta ggctgaggca ggaggattac gacgtcggga gttcaagacc 120  
agcctggcca gcatgtgaa accccgcctc tgctgaaaat acaaaaacta gctgggcatg 180  
gtggtgcgtg cctgtgtgcc cagctactcg ggaggctgag gcaggaaaat tgcttcaacc 240  
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agcagct 307

<210> 16328

<211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 16328  
 aacacactta aacaccaaata gaataaaaag aggaaatcat tagggagata agaaaatata 60  
 ttgagacaaa ttaaaaggaa aacatacata ccaaaactca tgggatgtag taaaaactca 120  
 gaggggtcac ctcttaagca tttattagat gcctattata tgccatatct cagcttctct 180  
 ggacatagac ctcatagaca tctacagaac tctccacccc aatcaacaga gtatatattc 240  
 ttctcagcac cgcattccgc acttattcta aagattgacc acataattgs aagtaaaaca 300  
 gtcctcassa aatgcaaaaag aatggaatca taacagnctc tcagnccaca gtgca 355

<210> 16329  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<400> 16329  
 agaacattcc tgcctatcct ccagctctca gctccgatac cccctcctcc aggaagccct 60  
 cctgactctc caggatcaga ggggggttagg caccctcttt gggctctcac agcccatcct 120  
 gtccattctg gggatgcctg cccccgctgc actgtgagca gggtagggc tgtctcggtc 180  
 actgctgtga cccagcaca gggccaggca cagagctggg cctcgggacc acgtatggag 240  
 tgaaggacaa a 251

<210> 16330  
 <211> 86  
 <212> DNA  
 <213> Homo sapiens

<400> 16330  
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 gaattgatta ttttagtcgt gtgaat 86

<210> 16331  
 <211> 93  
 <212> DNA  
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<400> 16331  
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 agggaggatg gagagcggcg acgaagcggc cac 93

<210> 16332  
 <211> 121  
 <212> DNA  
 <213> Homo sapiens

<400> 16332  
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 atctgatggc ttatgatgtt tcctaaaagt agcaggtagc tttatatgta tttttatttg 120  
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<210> 16333  
 <211> 196

004220"666ET560

004320" 666E F560

<212> DNA  
<213> Homo sapiens

<400> 16333  
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tgaagtctcc ctctgttgcc taggctggag tgcgggtggca tgatcatggc tcgctgcagc 120  
ctccacctcc tgggctcaag caatcctcct gccttagctt ccttgagttt ctgggactac 180  
aggtgtgcac cagctc 196

<210> 16334  
<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 16334  
tcctgggtga cagagcgaga ctctgctttt taaaaaaaaa aaaaaaaaaa aaaa 54

<210> 16335  
<211> 220  
<212> DNA  
<213> Homo sapiens

<400> 16335  
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tgatttctgg gatacatgtg ctgaacttgc aggtttgtta cataagtatg catgtgccat 120  
ggtggtttgc tgcacctatc aaccgcgcat ttaggcttta agccccgcat gcattaggca 180  
tttgtcttaa tgctctccat tcccttgtcc cccagccccc 220

<210> 16336  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 16336  
ttaaattgta ttgggtgcta acttttctatt agtcttttgc acactttttg ttgagctaga 60  
catagcagtg agtgtccata agtgacatgt aatgtaaggc ccc 103

<210> 16337  
<211> 94  
<212> DNA  
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<400> 16337  
taaaaaacag gaatcatatt ttgatgtttt gatcaagggt ttgacgtttt ccagtggctc 60  
agtcagaact cactacagtc tcgacctcag gagg 94

<210> 16338  
<211> 117  
<212> DNA  
<213> Homo sapiens

<400> 16338  
acacagacac gcagacacag agacaccggg gccaggggcc tcctatggac cctgcccgct 60  
ccccctccat tgtccacggc tgtccgcccc cccctattct ccaagcttca gcccccg 117

<210> 16339  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 16339  
 caatagaagc tcaactggact acaataaaac tgcaggctgc aacgattcat ttttaatactg 60  
 tctgtcctac tcatctcaaa aactgccctc aaggacagaa gccctgcttt ttcttttgaa 120  
 ccgagcacca gaaacaggtg cacacacata agcacaccat 160

<210> 16340  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 16340  
 agccatgagg caactcacga agaagaagag gttgaaaacg aagaggaagt acttgatgag 60  
 gctgaggcag ctctcctggg ctgacatctt cacctagtgg ggtaagcggg ccactcacca 120  
 cacagtta 128

<210> 16341  
 <211> 80  
 <212> DNA  
 <213> Homo sapiens

<400> 16341  
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 tgcagaactg taagacgaca 80

<210> 16342  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 16342  
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 ctacagaaat cctcgaagac ctccgcctag ttctgttaat acaggaggca tcacagagat 120  
 catggcagaa ggaggtgaat tagagtttgt t 151

<210> 16343  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 16343  
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 ttcacacaat tgctctttcc tgcctttcat ataaattggg attagaatta ttatgctaaa 120  
 gtcattataa gttcagtagt tgtttgagcgt tttttttgtc cttacagtat atcacacccc 180  
 ga 182

<210> 16344  
 <211> 171  
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<213> Homo sapiens

<400> 16344  
gtttaaaact gtggagaaga taagcaaaat acaagttgag cagtctgtct ttctgtgcga 60  
tttctcaacc ttagcaacat cctctgagca gtgattctta gttccttggt ctcttcgaga 120  
aatagtgtgt tcttgtggag acagcactgg taagaaagta caaacctga t 171

<210> 16345

<211> 133

<212> DNA

<213> Homo sapiens

<400> 16345  
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agctttatct actaaaaatt atacataagg atttccaaat cttagagttt caaaaagtaa 120  
ccatagggaa aga 133

<210> 16346

<211> 82

<212> DNA

<213> Homo sapiens

<400> 16346  
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acttgttctt acgaaaagga ct 82

<210> 16347

<211> 90

<212> DNA

<213> Homo sapiens

<400> 16347  
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gaacctcatt ggaaaaaaaaa cttttttttt 90

<210> 16348

<211> 70

<212> DNA

<213> Homo sapiens

<400> 16348  
aggcgcacac agggctcagc tgcccctcct ttgaggctgc tgcagaaggc aggccttgag 60  
acggaggttt 70

<210> 16349

<211> 124

<212> DNA

<213> Homo sapiens

<400> 16349  
catacattgc tggtagascc ctttagaaaa cagtttggtg gttcctcaaa atgttaaaca 60  
gagttacgat atgaccagc aattgcacat cttgggattt accgaagaaa aataagacat 120  
agac 124

<210> 16350  
 <211> 173  
 <212> DNA  
 <213> Homo sapiens

<400> 16350  
 caaaaaaatt agccggctta gtggtgggtg cctgtagttc cagctactct ggaagctgag 60  
 gcaggagagt ggcatgaacc cgggaggtgg agtttgagc gagctgagat cgcgccctgc 120  
 actccagcct ggtgacaga gcgagattct gtctcaaaaa aaaaaaaaaa aaa 173

<210> 16351  
 <211> 182  
 <212> DNA  
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<400> 16351  
 aatattaata ttggccctgg ccggtgaacc cagcagaggc tgtgcacgga agcccagagc 60  
 acgatgtctt gttagaatgc tacctcctgg aaccagctg ccaggctctg agaagctcaa 120  
 gtcacatggg gaggccacgt gtaggtgacc tggtaacag tctcagccaa agccaacctc 180  
 tc 182

<210> 16352  
 <211> 168  
 <212> DNA  
 <213> Homo sapiens

<400> 16352  
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 caggagaatc acttgagccc gggaggcgga ggttgagtg agctgagatc gcaccactgc 120  
 actccaggct ggcgcacaga gcaagactct atctcaaaaa aaaaaaaaaa 168

<210> 16353  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<400> 16353  
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 tgccccatat ctacttgtca atatgagaaa gcaggaggcc aagaattaca aaatgattct 120  
 cctttggttg gacttcagta cccaggccac cacga 155

<210> 16354  
 <211> 130  
 <212> DNA  
 <213> Homo sapiens

<400> 16354  
 gtatttttag tmgagaggag gtttcaccgt gttagccagg atggtctcca atctcctgac 60  
 ctcgttatct gccaccttg gcctcccaaa gtgctgggat tacaggcctg agccaccaca 120  
 cccggcccca 130

<210> 16355  
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 <212> DNA

<213> Homo sapiens

<400> 16355  
 ttatttggat aaccgctttg ttcagcctcg tctagagagc ttggtatcta gaagtcgttg 60  
 gaaagagcaa tataaggagc ta 82

<210> 16356

<211> 182

<212> DNA

<213> Homo sapiens

<400> 16356  
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 aaacagggga tgacagagag agamyagaag aggaaaatta gcaagagaga ctaaaagaga 120  
 cagagatcaa agagaaacac agaagggatg tagatggcaa cgtggctctc attccctccc 180  
 ct 182

<210> 16357

<211> 289

<212> DNA

<213> Homo sapiens

<400> 16357  
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 gtgacccttc tggccctct cctcctgaca gcggaacaat gactgccccg ataggtgagg 120  
 ctggaggaag aatcagtcct gtccttggca agctcttcac tatgacagta aaggctctct 180  
 gcctgctgcc aaggcctgtg actttctaac ctggcctcac gctgggtaag ctttaaggtag 240  
 aggtgcagga ttagcaagcc cacctggcta ccaggccgac agctacatc 289

<210> 16358

<211> 223

<212> DNA

<213> Homo sapiens

<400> 16358  
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 ctcccagagt gactatgata cggtagtcca tcctttctac gcttattggc agagtttctg 120  
 cactcaaaag aattttgcat ggaaggaaga atatgatata cgacaggctt caaaccgctg 180  
 ggaaaaacga gccatggaaa aagaaaacaa aaagattcgg gac 223

<210> 16359

<211> 92

<212> DNA

<213> Homo sapiens

<400> 16359  
 aattgcagg gasccagggt ctcccagaaa cctsrccccc cggtattccc ctcaccctga 60  
 agtaaggag tctccctctt cccctcatct cc 92

<210> 16360

<211> 245

<212> DNA

<213> Homo sapiens



<400> 16360  
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 caaggtgadc ccatgacttg tgatcaccat gatcacatgt gtgcttgagt gcttggccat 120  
 tttcactgag ggaatgaggt gactgcccct gacccccagt gtccctgcctt ccttttagag 180  
 ttaagccaga tggtcgactg ctgcaggctt ccacaggatg tatcggtgct tggcgtgtga 240  
 ggtca 245

<210> 16361  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens

<400> 16361  
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 gtggcgcgat ctacagctcac tgcaacctcc gctcctgagg ttcaaacgat tctcctgctt 120  
 cagcctcctg agactacagg cacggccacc 150

<210> 16362  
 <211> 100  
 <212> DNA  
 <213> Homo sapiens

<400> 16362  
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 agtgagtcct caatctgggc cagtgtctga gccccgcata 100

<210> 16363  
 <211> 134  
 <212> DNA  
 <213> Homo sapiens

<400> 16363  
 ctctagcttg catgggtggt gcattgactt taattttattg aaaaatacaa atttttgtaa 60  
 atatcagatc agtgatactg gtgttagtgt tgtaatcagg ttaaaccac ttccattaaa 120  
 cttgacagga ccgc 134

<210> 16364  
 <211> 72  
 <212> DNA  
 <213> Homo sapiens

<400> 16364  
 tttccagaag aaaacagttc cacgttgctt gaaattgaaa atcaagataa aaatgttcac 60  
 aattaagctc ca 72

<210> 16365  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 16365  
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 acgtatttta ttgatggcaa ttggtagttg atggctaag agtatgtytg gggg 114

004220" 666EFS60

<210> 16366  
 <211> 263  
 <212> DNA  
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<400> 16366	
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cagggcacaa ggaaggaact agccctagac aggacaccat accattgcaa ggctcactca	120
cacacaccca tactcactca ggctggacta tgtatatatg ccaattcacc taccatgcac	180
atctttgaga tatgtgggga aactgcagta cccagagaaa acccacacag wcatgagtra	240
aatgtgcaaa ttccagacag act	263

<210> 16367  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 16367	
ctgtagtccc agctacttgg gaggctgagg caggagaatg gcgtgaaccc gggagggcga	60
sttcagatga gccgagatcg caccactgcg ctccagcctg ggttacagag tgagactctg	120
tctca	125

<210> 16368  
 <211> 84  
 <212> DNA  
 <213> Homo sapiens

<400> 16368	
tggcgtaaca aattgggcgc tgtctcaacg agagatccgg tgaaatttta atacctgtga	60
agatgcaggt taccgcgcac aaga	84

<210> 16369  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

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caaattgggt aattagttta aaaatctgtg attacatttt taaatgaaat tttcaaagt	60
gcctagattg aggtgattca gataggtttg cgaatatacc attttatatt gttgagaaag	120
aacaaaaagg gaatttccag atgtcctaga aatcctagca acagatttct ctggttgtca	180
gtttccctgg agaaggcgcc agataggaat ctccaatcag ttgtttttct cttcgcttca	240
ggccc	245

<210> 16370  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

<400> 16370	
tatgtaaaaa tggaaaatgc taaatataca acatattgcaa taccttgtaa caggatgggtg	60
aaatggaagt tgaggttgca aaacaacaga tgcccattcc aaattgaagt tctgagaaag	120
gatttacaaa gaggtgaga accagtagat cattcttaaa tccctcacc ttataaggaa	180
tactaaagca tagaaggga gtttgaaata taacttctta ggaagagtta tttggaaagc	240
tgtactgaga gtcgct	256

<210> 16371  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 16371  
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 gttgactgtb atgctgtttt taggttcttg tgggtttagg tcacactggc aatggaatca 120  
 acctctctc tcccatctga ttccttgat caggagtaca ataataattt tttcccctaa 180  
 cacagaga 188

<210> 16372  
 <211> 96  
 <212> DNA  
 <213> Homo sapiens

<400> 16372  
 ttttgagtcc ttgttttttaa ttctttggag tatataccta ggagtggaa tatcacatgg 60  
 caattctgta tataaatttt taaggaagtc ccaacc 96

<210> 16373  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 16373  
 ctgtgaaaaa ccaatagctg aaatcatagt kaatgctgaa agastgaatg ctttccctat 60  
 ataatattta gaacaagtya agatatctgc tattcccaat tgtgtycagc attgttctgg 120  
 aggga 125

<210> 16374  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 16374  
 tggggatttt ccagctctaa gaggctaagg agtaggaggc cctccagtgg cgagggtggg 60  
 aacagcggca cgtggtgcag ggtttaggaa tgcagcccaa gttgtttccg gaacarggra 120  
 gtyctggggg gatgggttca acaggggtgt ccagtgggtg ctaggagagg tggagatgg 180  
 gtgatggctg caggcaaggg aggagctgct cggtagggac ttaccagca gtgactgctg 240  
 tggacaccac gctgggggga gtaccatcac ctctatgtca gtnacgctgc 290

<210> 16375  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 16375  
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 gttga 125

<210> 16376

<211> 58  
 <212> DNA  
 <213> Homo sapiens

<400> 16376  
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<210> 16377  
 <211> 89  
 <212> DNA  
 <213> Homo sapiens

<400> 16377  
 actcaaagaa taattaatat caatgaaatt ccaagcacag gctagaaaaa gcagcctgtt 60  
 ctttgccctgt taattgctac cccatgcct 89

<210> 16378  
 <211> 141  
 <212> DNA  
 <213> Homo sapiens

<400> 16378  
 atgtcttcag catttggttaa ggaaaagttt tctctacttg tgtgtgtatg tgtgcacatg 60  
 tgtgtatgta cagggtgtatg tatatagata gatacacctg tacaacacaca cacacacaca 120  
 cacacacaca cacacacaaa c 141

<210> 16379  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<400> 16379  
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 atcccagctg aggcaggcag atcatgaggt caggagttcg agatcaacct gcccaa 116

<210> 16380  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<400> 16380  
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 gtccagtcag cttgcaggtc ctgtggattc ttccatga tggtcatctc tgtcctttcc 120  
 tctgtctgca tctttatcc 139

<210> 16381  
 <211> 72  
 <212> DNA  
 <213> Homo sapiens

<400> 16381  
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 gatgaggaat ca 72

<210> 16382  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 16382  
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 ttctgacttc cttgtgtagg ctgaagaatt agatggcgctc c 101

<210> 16383  
 <211> 96  
 <212> DNA  
 <213> Homo sapiens

<400> 16383  
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 taattggtat agagttctag taagtatgaa gttgtg 96

<210> 16384  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 16384  
 taatgaaaac tgtaaaatat ctcttaaaca attattcaag cccttttgaa tgtcagtyat 60  
 gatcttgaaa atctgaagtg aatgccactg atactacagt tcatcagaat tgatttgga 120  
 gaggggagga cttaaataat ttaattctga t 151

<210> 16385  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 16385  
 attttatagt cttgaagtgg gaaaatgacc caraagccat aaaggagata tattttacta 60  
 cttaaaacta aaaaacaaac agccaacaac aacaaaaaaa cccaca 107

<210> 16386  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<400> 16386  
 gtcacgtcag cgcgggagag agaaagagag gaaccgactc ggcagggact gggggaccgg 60  
 gccgagagtg cgagcgagcg agggagggag tgagggagcg tgcgagccag aaggggaaag 120  
 ggggccactc gtgcctgagc gaccgcagag gggagtggga bcagtggggt aaaggagcgg 180  
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 aatcctgagt ttctgttagg ggattggctc cagctccatt gtccctcccc catcattcag 240  
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aattatccag caaatctatc atggatccta atcagaacgt gaaatgcaag atagtwgtgg 240  
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ccgagat 307

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gcaccaagtg tatgtccact ttgagaacc ctttaccata gaacacatct acaaaaagaaa 180  
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<212> DNA  
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<210> 16402  
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 <212> DNA  
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<210> 16403



<211> 82  
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cctgctagga ttccccctcc tcctgtttcc tctccttctc gtgctgcttc tccagtggct 240  
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cccactagaa atctgtgaga ctccatact taacttggtt tctcctcct tctgtggaag 360  
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cacgk 426

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<212> DNA  
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ccgcgcccgg tctgcttctc ccttttcat atgccttcgt gcactctcca caacagacag 120  
gattgcatta actctaaatc agacacatga agcccagac 159

<210> 16407  
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<212> DNA  
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gcaccactgc actccagcct catatgttca agcrattctc ctgcctcagc cccccaagta 180  
tttgggatta caggcatgca gccaccatgc ctagccagct atactttgtt gaatacttct 240  
gaggtacw 248

<210> 16408  
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 <212> DNA  
 <213> Homo sapiens

<400> 16408  
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 ctccagcacc a 71

<210> 16409  
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 <212> DNA  
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 gcaccactgc actccagcct catatgtkca agcaattstc ctgcctcagc cccccaagta 180  
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<210> 16410  
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 <212> DNA  
 <213> Homo sapiens

<400> 16410  
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<210> 16411  
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 <212> DNA  
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<400> 16411  
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<210> 16412  
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 gcaacctccg cctccaa 77

<210> 16413  
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 <212> DNA  
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<400> 16413

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<210> 16414  
 <211> 206  
 <212> DNA  
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<400> 16414  
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 ctgagtgttg tgaaaaaagt gaagagtgtc ggctttggaa gcatgtatgc taaaattgga 180  
 accacacaga gatgaccatg accccc 206

<210> 16415  
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 <212> DNA  
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<400> 16415  
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 gtagagcacc gacggg 76

<210> 16416  
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<400> 16416  
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 atccttatct gtgtctatgt atacacatcc ctccaccacc agcca 165

<210> 16417  
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 <212> DNA  
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<400> 16417  
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<210> 16418  
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 <212> DNA  
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<400> 16418

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cgggagctct gcacgtggtg attgtgggtg ggggctttgg cgggatcgca gcagccctg 179

<210> 16419  
<211> 161  
<212> DNA  
<213> Homo sapiens

<400> 16419  
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aggccgaggc gggcgatca cgaggtcagg agatcgatac tagcctggcc aacatggcga 120  
aacctgtct ctactaaaa tagaaaaat tagccaggcg a 161

<210> 16420  
<211> 145  
<212> DNA  
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<400> 16420  
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ccggaaggaa ttgtagcagg cccct 145

<210> 16421  
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<212> DNA  
<213> Homo sapiens

<400> 16421  
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cctgtagaga gtggtgctgc cctctcgga tgtacctga ggtggagacc cgcaccaa 118

<210> 16422  
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<212> DNA  
<213> Homo sapiens

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tagatgcaat 370

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<212> DNA  
<213> Homo sapiens

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ccacacccaa ccccttcaaa tacacacaac cttgttactt tkcactccag ccacct 116

<210> 16424  
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<212> DNA  
<213> Homo sapiens

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<210> 16425  
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<212> DNA  
<213> Homo sapiens

<400> 16425  
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<210> 16426  
<211> 188  
<212> DNA  
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<210> 16427  
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<212> DNA  
<213> Homo sapiens

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gcctgctggc tggctagagt aagagagggt agt 93

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gtagagcacc gaaaaccacg aggaact 87

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 tctcaaagga aaaaaaaaaa aaaaaaaaaa 208

<210> 16430  
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 <212> DNA  
 <213> Homo sapiens

<400> 16430  
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 tgctttttat tgttttgctt tataattata taaactatat ggttccaaag ggcag 175

<210> 16431  
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 <212> DNA  
 <213> Homo sapiens

<400> 16431  
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<210> 16432  
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 <212> DNA  
 <213> Homo sapiens

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 cactttgaga aactgaggtg ggcggatccc ttgaggtcag gagttcgagg ccacctggg 240  
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<210> 16433  
 <211> 89  
 <212> DNA  
 <213> Homo sapiens

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 taagaattac taaaaaaaaa aaaaaaaaaa 89

<210> 16434  
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 <212> DNA  
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attacagtgg tatatataat gcagtaccag aaaacttytg tgtgtntttt ttccccccca 120  
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<212> DNA  
<213> Homo sapiens

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aaactgggac ccggcggaac a 141

<210> 16437  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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taggccaggt gcggtggctt atgcctgtgg tcccagaac 99

<210> 16439  
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<212> DNA  
<213> Homo sapiens

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<210> 16440  
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<212> DNA  
<213> Homo sapiens

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<210> 16441  
 <211> 179  
 <212> DNA  
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<210> 16442  
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 <212> DNA  
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<210> 16443  
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 <212> DNA  
 <213> Homo sapiens

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 aatcttcaga ctggaggacc aagaaaaggc ggtggaag 158

<210> 16444  
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 <212> DNA  
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 aatcttagct ctttctggtg ccc 143

<210> 16445  
 <211> 82  
 <212> DNA  
 <213> Homo sapiens



<400> 16445  
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aacagcttac taaaccccaa ga 82

<210> 16446  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 16446  
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gattgattgt gccttaaagg gtttaagatc tcacgggagc atagtgatat ratcccacag 120  
attaggaact tagaatggga tgtataattc taggggtgctt gagttgaagt gtttcttttt 180  
gaaatttcta agataaagca caaactttaa aagttaaaca ttgtcaagtg catctcccc 240  
tac 243

<210> 16447  
<211> 145  
<212> DNA  
<213> Homo sapiens

<400> 16447  
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agctgaccca attcttgga cagtcaacaa gtatctttga tttgttttca gcagggctaa 120  
gtcatcagat atgtcagaag gggcc 145

<210> 16448  
<211> 200  
<212> DNA  
<213> Homo sapiens

<400> 16448  
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gagaatggca tcatcatatg caagttggaa aaatgctaata gtccacatgg agaaagaagg 180  
tggtgtagcg atggacaggg 200

<210> 16449  
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<212> DNA  
<213> Homo sapiens

<400> 16449  
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tttcttaaga aatccccaaa agccaatatt agttaaatt ctgttggtta atttggttat 120  
cttgctttat aaattatgcc cctaa 145

<210> 16450  
<211> 255  
<212> DNA  
<213> Homo sapiens

<400> 16450

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 agtactccta tcttgtttct ccacctgttc gggagtygga gatgtgcacc taaaggaggc 180  
 gcatctgggg acggacacat ctggcactga ggccctcgcc acctgcctcg ccacctggcg 240  
 accctgaccc caccg 255

<210> 16451  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 16451  
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 gaaatgttga taattatgtt gacttgcagc tatgacttgg ttcagctgtt ttgattttca 120  
 tgttatctca ctaagttatc aaaaatctgt tccaccttcc aatctctact ccccttcaga 180  
 aagaaagagt acatgcactt atggtgtata tctcttttct tgaccttaaa ggattaaagc 240  
 aaaaataaca cattagctta cagacttttg attttttttt tttwaatttg gaattaatac 300  
 taatgagact ttgagaattg tattggtggc aa 332

<210> 16452  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 16452  
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 ttcttacctc acatagatga gaaaactaac acccagaaag gagaaatgat gttataaaaa 120  
 actcataagg caagagctga gaaggaagcg ctgatcttct atttaattcc ccgcacc 177

<210> 16453  
 <211> 67  
 <212> DNA  
 <213> Homo sapiens

<400> 16453  
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 acaacca 67

<210> 16454  
 <211> 64  
 <212> DNA  
 <213> Homo sapiens

<400> 16454  
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 acaa 64

<210> 16455  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<400> 16455  
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caccatgttt tctgacttcc ctttgccgcc cctgaagctt gcgacccact tgtcctaatag 120  
 ttagttgatt tatgttcaag gaatgaaagt tgatttttag gccaatcgat ttaggctcct 180  
 tatattaaac agaatttagt aaatcaagca aatttgccat cagcttttct ctttcttctt 240  
 cagccccctt a 251

<210> 16456  
 <211> 135  
 <212> DNA  
 <213> Homo sapiens

<400> 16456  
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 aagctaatta atgacatatt catgtgttct ttcataat aaacatttat taatgtatag 120  
 ttctacacca ggcac 135

<210> 16457  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 16457  
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 ggcaggagaa aagtgtgaac ccaggaggcg gasnttgtag tgagccgaga tcacaccact 120  
 gcactccatc cagcctgggt gacaggggtga gactctgtct caaaaaaaaa aaaaaaa 177

<210> 16458  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<400> 16458  
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 ataattcaaa aatactcttc aagtggaggt tcttttagaaa tactgttgat tcataatgta 180  
 gcagtgttac tttttgttgt taatgttcaa ggacttgggt tatcttcttc aaaaagtagt 240  
 aatagcagga ttatttgatg cctactacta gaaaaatatt ttaggtgatt tacataagat 300  
 acgcctagct cgggttgatt ccattccatt gcattccatt ccattccatt caattccatt 360  
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 cat 423

<210> 16459  
 <211> 105  
 <212> DNA  
 <213> Homo sapiens

<400> 16459  
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 gcatgggctt aaaaaaaaaa agaaaactaa gacacaactg cctac 105

<210> 16460  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<400> 16460  
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gacaactttg aagtaaaca tgaartaaaa gatgtsrcta aaacctctga ggctcctgag 180  
cacattttgc tgatacagtc tgtgggggctt gaggagaccg catgtattgt tctttctttt 240  
gtttttcttc tgagtctca actgcggaga gcacctgaac cccctttcct ttttgaccgc 300  
agctgcactt tgggccccag ccagcccttt ttctttttct ttttcttttg tggttcttcc 360  
ctggagcgac tctggggagt cctggatata cca 393

<210> 16461  
<211> 222  
<212> DNA  
<213> Homo sapiens

<400> 16461  
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tagtagagag gttttgagtg agtntcttaa tcctgatttc tagtttgatt gcactgtggg 120  
ctragagaca gtttggtata atttctgttc ttttacattt gctgaggaga gctttacttc 180  
caactctgtg gtcaattttg gaataagtgt gatatgggtg ct 222

<210> 16462  
<211> 83  
<212> DNA  
<213> Homo sapiens

<400> 16462  
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gtagagcacc gaaaaccacg agc 83

<210> 16463  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 16463  
accatcatga tgaacttcac gaaagtcctt gctgtttcag ggaagaaggc tcttccttca 60  
tttctgtggg agatgtgacc atgcgaggtt gtgcaggtag aagccgggac 110

<210> 16464  
<211> 143  
<212> DNA  
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<400> 16464  
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gcactttggg aggctgaggt gggcggatta cctgaggtca ggagttcgag accagcctgg 120  
ctggcatggt gaaaccccggt tta 143

<210> 16465  
<211> 69  
<212> DNA  
<213> Homo sapiens

<400> 16465



<213> Homo sapiens

<400> 16471  
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aataaatttt tatactatac ggaggatact 90

<210> 16472

<211> 124

<212> DNA

<213> Homo sapiens

<400> 16472  
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ccctatatta aattagattt gaagaggatt aacgttggtt tagtttggtt ccagaccagc 120  
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<210> 16473

<211> 184

<212> DNA

<213> Homo sapiens

<400> 16473  
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ctctcctgga agactctgtc cctgagtttc ttatagcaag ttgagtatgc kaaaagccag 180  
taac 184

<210> 16474

<211> 163

<212> DNA

<213> Homo sapiens

<400> 16474  
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atggtatgga atggaatgga atggtacaga atagaatgga atggaacgaa ttgtaatgga 120  
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<210> 16475

<211> 109

<212> DNA

<213> Homo sapiens

<400> 16475  
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<210> 16476

<211> 181

<212> DNA

<213> Homo sapiens

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gagtaaaatt gcgtcccaga tgttgtggaa ctgtccctgg atctatagct cttcaccgtc 180  
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<210> 16477  
<211> 176  
<212> DNA  
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<400> 16477  
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attaatcatt gaagaactta agcagggtgg gcatttaatt tcttccaaat accttatttt 120  
ttggatctgc tcaagtgggt agggcgagtg caccattatt cccgaatccc tgcaaa 176

<210> 16478  
<211> 140  
<212> DNA  
<213> Homo sapiens

<400> 16478  
aaaggaatgg aatcaacccg agtgcagggg aatgtaatgg aacggaatgc aatggaatgg 60  
aatcatgcgg aatggaatgg aatggaatgg aatggaatgg aatcatcccg attgcaatgg 120  
aatggagtgg aatggaacag 140

<210> 16479  
<211> 342  
<212> DNA  
<213> Homo sapiens

<400> 16479  
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atggaacgga atgcaatgga atggaatcat ccggaatgga atggaatgga atggaatcga 180  
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acaacccgaa tggaatggaa tgtaatggag agtnagggag ttgaatagaa tcaatccgaa 300  
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<210> 16480  
<211> 193  
<212> DNA  
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<400> 16480  
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aaggcttagg ggaagaacac ctactgcagt ygtgaggcag atgggacatc aggagggctc 180  
tagaagggac tga 193

<210> 16481  
<211> 99  
<212> DNA  
<213> Homo sapiens

<400> 16481  
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99

<210> 16482

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<212> DNA

<213> Homo sapiens

<400> 16482

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<210> 16483

<211> 147

<212> DNA

<213> Homo sapiens

<400> 16483

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aaccttcctt atccccaccc cccacaa 147

<210> 16484

<211> 176

<212> DNA

<213> Homo sapiens

<400> 16484

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cactccatcc agcctgggtg acagggtgag actctgtctc aaaaaaaaaa aaaaaa 176

<210> 16485

<211> 190

<212> DNA

<213> Homo sapiens

<400> 16485

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ccttttacct tctgaggtag aattttttta tggggaaaat aggcctttta aatattattg 180  
ccagggtcaa 190

<210> 16486

<211> 68

<212> DNA

<213> Homo sapiens

<400> 16486

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tcgggatg 68

<210> 16487

<211> 114



<212> DNA  
<213> Homo sapiens

<400> 16487  
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agcccatcgg ctggatgccg tggataagcg aggggagagc gactaggccc tgtc 114

<210> 16488  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 16488  
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<210> 16489  
<211> 111  
<212> DNA  
<213> Homo sapiens

<400> 16489  
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<210> 16490  
<211> 267  
<212> DNA  
<213> Homo sapiens

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cttttcagtt aataaataat ttaagga 267

<210> 16491  
<211> 145  
<212> DNA  
<213> Homo sapiens

<400> 16491  
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ggaattaata atgatggctg caca 145

<210> 16492  
<211> 218  
<212> DNA  
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<400> 16492  
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attcagcaag aaagagaatt ttgtattttg tgggtcga 218

<210> 16493  
<211> 156  
<212> DNA  
<213> Homo sapiens

<400> 16493  
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<210> 16494  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 16494  
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ctcccgagta gctgagacta tagatgtgcg ct 152

<210> 16495  
<211> 105  
<212> DNA  
<213> Homo sapiens

<400> 16495  
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<210> 16496  
<211> 209  
<212> DNA  
<213> Homo sapiens

<400> 16496  
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tctgtaatcc cagcactttg ggaggctga 209

<210> 16497  
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<212> DNA  
<213> Homo sapiens

<400> 16497  
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<210> 16498

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 aaacatctgt ctcttctagc cccttat 147

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 <213> Homo sapiens

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 aacaaacatc tkttgtttct gwggtgtgtg gctgtgtgtg agagtgtgct cgcgctgtgt 180  
 tstgtgtgtg tttyaatgga gtstwgccct gaatgaatca ctgggaagcc agcyatggta 240  
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<210> 16508  
 <211> 68  
 <212> DNA  
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<210> 16509  
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<212> DNA

<213> Homo sapiens

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<211> 78

<212> DNA

<213> Homo sapiens

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<211> 120

<212> DNA

<213> Homo sapiens

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<211> 174

<212> DNA

<213> Homo sapiens

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gcaggagagt ggcataaacc cgggagggtg agtttgcagt gagctgagat cgcgccttgc 120  
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<212> DNA

<213> Homo sapiens

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agaatttttt tctgatagcc tgaattttct tcttgtcttt catgtctttg cttctattta 180  
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<211> 128

<212> DNA

<213> Homo sapiens

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cgccaacc 128

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cagatgttgg ggggaagggc actgcctttc ttgtgaactt tcttgcccaa gggacaaatg 180  
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gaattgtggt actaaagtga gcwacaaata atgatggttc ctttgagaaa gatactggta 180  
aatgacagca ccaaac 196

<210> 16518  
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<212> DNA  
<213> Homo sapiens

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gttttataaa actgcattta aaaaaagatc tatgaccaga tat 163

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 tctgaacatg ttaaaattga ggcactaatg agccattagt gacctaggct tcatgcatga 180  
 gtgtaggact ataggacacc tagatgtgag tgtaccaaat tgtccagaga atattaagag 240  
 agaagagtcc ctagaccaag ct 262

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 gagttagctg gattacaggc atgtgccgcc atgctcggct aattttgtat ttttaataga 180  
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 caa 243

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 gcgcatcgac cccgta 76

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<213> Homo sapiens

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tggtttcttc	atctctaatt	gggtgtggcg	gtgggggtga	gtkatccaac	ccccacgcc	180
ccagagcttt	tgagaaattt	cagtgaatc	ctgttatata	gcagctgcga	cactccccca	240
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<210> 16526

<211> 188

<212> DNA

<213> Homo sapiens

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attaaccatt	ttttggtcca	acttcagata	ttttcttaat	ccagaagctg	tgactgttcc	180
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<210> 16527

<211> 105

<212> DNA

<213> Homo sapiens

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<211> 286

<212> DNA

<213> Homo sapiens

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ggccttcacc	accgggagga	gcagcgtgtg	gaaatggtga	cctttgtctg	ccgagttcat	180
gagtctagcc	ctgccagct	ggtctgggctc	acaccagggg	acaccatcgc	cagcgtcaat	240
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<211> 96

<212> DNA

<213> Homo sapiens

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<211> 201

<212> DNA

<213> Homo sapiens



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 tacgaaaaat tagctgggca a 201

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 acagtgggtat agcctactcc c 81

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 cactcctaca tgggtggaagg ggcaagggca tctctggggc tgcttttata aaggcattaa 180  
 tatccaagaa tccgcacca 199

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 <212> DNA  
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 gaaggaccag gatcatcggc tgcctccagg gagagaaatg ggaaggcagg gggtagagaa 180  
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96

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<211> 181

<212> DNA

<213> Homo sapiens

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aatatgctgt	ctaaacatgt	ttgaatcact	ctaagtgcc	agaatttctt	ttggaactac	180
t						181

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<211> 221

<212> DNA

<213> Homo sapiens

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atgttagcca	ggatggctct	gatcttctga	cctcatgac	ctccacctc	ggcctcccga	180
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<211> 88

<212> DNA

<213> Homo sapiens

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<210> 16539

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<212> DNA

<213> Homo sapiens

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<210> 16540

<211> 78

<212> DNA

<213> Homo sapiens

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<211> 149

<212> DNA

<213> Homo sapiens

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 tgtgaaaagc agaatgtgga aagtggacc 149

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<213> Homo sapiens

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<210> 16543

<211> 171

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 341

<212> DNA

<213> Homo sapiens

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tttgtgtccc	cttccagact	ctcctgtacc	tagaccaggg	ctggacatac	agtaggtact	180
caataaagtc	tagttaattc	caggctcttt	ccaacacaaa	tcaaatacaca	tcaaattttt	240
agtaattccc	atgactctta	gaataaaaatt	gcaaaccac	actgggtctt	ataaggccct	300
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 <213> Homo sapiens

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cctacagaaa	accacacccc	tctcttgccc	tgtctcttag	ttacctccac	ctttaccttc	180
ccctttgcag	caaattgacc	tgaaagagaa	ggtggtgttc	acagcccctg	cgtgctctct	240
gctcactctc	caaactccag	cccctggccc	cagcgccgct	ggccctcggc	gagtcgcagt	300
ggsccaccct	gctgca					316

<210> 16548  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

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gaatttggtc	ttcatcctta	aagcgaactc	attgagatga	aaagatgctc	ttaattttatc	120
acagaac						127

<210> 16549  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

<400> 16549						
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gtagagcacc	gaaaaccgcg	aggaa				85

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 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 16550						
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cgcgtcctc	cgacccgcga	gacctcctct	ttttcttctt	ctcatcgctt	ccactccagg	120
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tcgatcat	gattgagcac	cct				203

<210> 16551  
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 <212> DNA  
 <213> Homo sapiens

<400> 16551

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 ttgaaatggg attcccaatg taggatgtgg 90

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 <212> DNA  
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<400> 16552  
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 atttttcccc cctttccctt ttcttttttt 90

<210> 16553  
 <211> 113  
 <212> DNA  
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<400> 16553  
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<210> 16554  
 <211> 183  
 <212> DNA  
 <213> Homo sapiens

<400> 16554  
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 ccc 183

<210> 16555  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

<400> 16555  
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 ggtgtgtatg cccgaga 137

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 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 16556  
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 gttgtagcta catatacagg aaatctaaca aatgtgtagc ataattgtatt atacaaaggc 120  
 agacaccctt gcagccacca acaagggtcaa gaaacaattt tgctgcctgt cctagaagcc 180  
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<210> 16557

<211> 93  
 <212> DNA  
 <213> Homo sapiens

<400> 16557  
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 gtagagcacc gaaaaccacg aggaagagag gcc 93

<210> 16558  
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 <212> DNA  
 <213> Homo sapiens

<400> 16558  
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<210> 16559  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

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<210> 16560  
 <211> 151  
 <212> DNA  
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<400> 16560  
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 gctgatctgg ctggctaggc ggggtgtccc ttcttcctc accgctccat gtgcgtccct 120  
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<210> 16561  
 <211> 122  
 <212> DNA  
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<400> 16561  
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 ct 122

<210> 16562  
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 <212> DNA  
 <213> Homo sapiens

<400> 16562

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gaaacctggg actcctctc agatctccac ctctctctc ttccacacta ttcaatcaat 180  
aattccattg attctacctt gaacacagct ctgtaatcag ctttctcttt tgccgcccatt 240

<210> 16563  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 16563  
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<210> 16564  
<211> 159  
<212> DNA  
<213> Homo sapiens

<400> 16564  
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agtgggaatg gaaagacgtg aaagtagaac ttagcctggg ctagtctctc agagtcttga 120  
gtctggggag gaactgccct ttcacttta ccatgggaa 159

<210> 16565  
<211> 164  
<212> DNA  
<213> Homo sapiens

<400> 16565  
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caccagcag tgatcttagg gagtgcttca tgctctctc aggatggaac agagcgcttt 120  
gcatagagtg cccctgggtg atggtggcga gttaccgggc aggg 164

<210> 16566  
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<212> DNA  
<213> Homo sapiens

<400> 16566  
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cctaatacag aatctacagg ggtctactct ggccaatttg ataagttctc atttcttctc 180  
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<210> 16567  
<211> 210  
<212> DNA  
<213> Homo sapiens

<400> 16567  
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gccaggtg gagtrcaatg gtgcgatctt ggctcactgc aacctcywcc tcccgggttc 120

aagcaattct tctgcctcag cctccccgagt agctgggatt acaggcatgc actaccatgc 180  
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<210> 16568  
<211> 104  
<212> DNA  
<213> Homo sapiens

<400> 16568  
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<210> 16569  
<211> 127  
<212> DNA  
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<400> 16569  
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gcgggggtcgg ctatgttgcc ctggggggagg ccggccccgt ggggnaacat gactgtggta 120  
gactctc 127

<210> 16570  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 16570  
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gaagaaggaa caatgacaac aaaaataaca ctaaatttaa atttaagagt actactttta 120  
ggaaatagac aaaccattat ttgggtacaa ctaaaggcaa ctggcatgga ctcaaattat 180  
ttggggaaga aaaagactaa aagttctaag gaagaaaatg cgaaccttga tagtttgaaa 240  
tagttaaaaa gacagtgtag aaactgttta ggcagtttga ttatggacta ttagatgata 300  
cttggct 307

<210> 16571  
<211> 129  
<212> DNA  
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<400> 16571  
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gccccaaagt 129

<210> 16572  
<211> 211  
<212> DNA  
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<400> 16572  
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gcgcycggcc caggccggcc ctgacgcggg cctcgtcagc cagtaacagg gagcagaggt 120  
gggagtttagc gaggcgacca cgaaaacggg gaaggtcggg accgacagcc tcctccgaga 180



agggcaggag ctgggaggag gcggcagcgg c

211

<210> 16573

<211> 189

<212> DNA

<213> Homo sapiens

<400> 16573

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agatcaaggg	tactaaagtc	cctttcgtg	cagtragtga	gaggtatgtt	gtgtgtgaat	120
gtacggatgt	gtgtttgcgt	gcatgtttgt	gcatgtgtga	ctgtgcatgt	tatgtttctc	180
catgtggtg						189

<210> 16574

<211> 138

<212> DNA

<213> Homo sapiens

<400> 16574

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<210> 16575

<211> 262

<212> DNA

<213> Homo sapiens

<400> 16575

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tgtgattcca	tgaatacgaa	cattcgggtat	aggcaaattcc	atagagacaa	aaaagagact	120
gccggttacc	aggcagtagg	ggaggaggga	atggggagtg	actgctggca	ggtttggggg	180
ttcttattgg	ggtgatttta	aatgttctgg	aattaggtag	tggggatggg	tgcataacat	240
tgtgaataca	aatgaccgaa	ca				262

<210> 16576

<211> 227

<212> DNA

<213> Homo sapiens

<400> 16576

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ctgaaaatta	actacagaaa	attccagggt	tccagggttg	tagcgagttg	aatttttaagt	120
gatttgagat	acgaagtcca	catttctgtg	gcctgtctag	aggttctcat	cttgctaaat	180
gacatttaga	agcagcataa	ctgcttctaa	tctaggatta	ccacgcc		227

<210> 16577

<211> 100

<212> DNA

<213> Homo sapiens

<400> 16577

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<210> 16578  
<211> 137  
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<213> Homo sapiens

<400> 16578  
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tgccagccaa agacccg 137

<210> 16579  
<211> 218  
<212> DNA  
<213> Homo sapiens

<400> 16579  
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taaaagttaa taaatactgg tgaggtcaga ggaggccgag agctggaggg aaagggaag 120  
gggttcggaa tgtaacctac ttgttaacac ctgtcacagg gttccccctc cagcaagcgg 180  
agaagccctt tgctgcagcc aattatcgag gacgaaac 218

<210> 16580  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 16580  
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<210> 16581  
<211> 113  
<212> DNA  
<213> Homo sapiens

<400> 16581  
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<210> 16582  
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<212> DNA  
<213> Homo sapiens

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gctgatctgg ctggctaggc ggggtgcccc ttctccccc accgca 106

<210> 16583  
<211> 80  
<212> DNA  
<213> Homo sapiens